Modeling treatments prediction of coronary artery disease based on fuzzy soft expert system

Mohammed M. Khalaf *

Higher Institute of Engineering and Technology King Marriott, P.O. Box 3135, Egypt

Abstract: In this work, the calculation on patients, we arrived to establish a standard model of treatments for Coronary artery disease. May be by the same fashion, we developed a fuzzy soft expert system based on fuzzy soft sets, by an algorithm to predict those patients who may suffer Coronary artery disease. In this way, it is possible to conclude that the use of fuzzy soft expert system can produce valuable results for Coronary artery disease detection. It is found that the fuzzy soft expert system developed is useful for the expert doctor to decide if a patient has Coronary artery disease or not. Finally, we introduced a diagnosed comparison between our proposed system and the fuzzy inference system.

Key words: Fuzzy soft expert system, Coronary artery disease, Kong algorithm

1. Introduction

A model treatment of coronary artery disease becomes more necessary. Because the coronary artery disease has increasing and cause 30% of deaths in most of the countries around the globe[1]. Cholesterol is one of the main risk factor for subsequent sudden death [2]. Cholesterol has been identified as one of the main risk factors for myocardial infarction and subsequent sudden death [2]. We will put an expert system equal the reasoning of doctors. In [3, 4] many medical expert systems have been developed. Multiple disease expert systems and state the risk factor studied in [5-9]. In [9-12] studies at different ways to analysis, detection of cardiovascular diseases. Artificial immune recognition system (AIRS) was used to detect heart diseases [13, 14], while single lead ECG classification methodology was proposed using time domain principal components [15–17] after a methodology for CAD diagnosis based on fuzzy model [18] was suggested. A fuzzy model [19] used to develop coronary artery disease detection. In [20] Kurt, put a model to predict the absence or presence of coronary artery disease. A methodology for diagnosing of the heart disease introduced by Das, Turkoglu and Sengur in [21]. Based on Clinic Foundation database in [22] Adeli and Neshat employed a fuzzy expert system for heart disease diagnosis. The performance of the system can be increased by tuning of membership function using optimization algorithms [23]. A swarm optimization-based fuzzy expert system and three rule generation algorithms—Apriori, Predictive Apriori and Tertius as proposed in [24,25] for the diagnosis of coronary artery disease. In our work based on myocardial perfusion scan test and clinical–epidemiological variables and a fuzzy-boosting PSO approach [26, 27].

Automated diagnosis of coronary artery disease using tunable-Q wavelet transform applied on heart rate signals has been presented [28], based on the generalized Minkowski metrics [29]. On the other hand, Russien, Moldodstov in [30] introduced the soft set theory, Maji [31] discussed the theoretical and several operations aspect of soft sets, in [32] also, introduced fuzzy soft sets based on a combination of the fuzzy set and soft set models. Roy and Maji [33] proposed the concept of soft set with application in decision making. Kong [34] argued that the Roy and Maji method [33] was incorrect and presented a revised algorism. Feng [35] presented an adjustable approach to fuzzy soft set based decision making by means of level soft sets. Our paper arranged as follows: Section 2 the Proposed Methodology and Implementation and present ways to transform the reality data to fuzzy soft set expert and combinations the parameters are introduced. In section 3 a comparison between our treatments and treatments hospital are discussed. In section 4 conclusions are presented.

Definition 1.1 [30] Let X refers to an initial universe and E is a set of parameters. Let $P(X)$ denote the power set of X and $A \subset E$. A pair (F, A) is called a soft set over X, where F is a mapping given by $F: A \to P(X)$. In other words, a soft set over X is a parameterized family of subsets of the universe X. For $\varepsilon \in A$, $F(\varepsilon)$ may be considered as the set of ε – approximate elements of the soft set (F, A).

Definition 1.2 [32] let $X = \{\sigma_1, \sigma_2, \sigma_3, \ldots., \sigma_k\}$ be a set of k objects, which may be characterized by a set of parameters $A_1, A_2, A_3, \ldots., A_i$. Then parameter space E may be written as $E \supseteq A_1 \cup A_2 \cup A_3 \cup \ldots. \cup A_i$. Let each parameter set A_i represent the ith class of parameters and the elements of A_i represents a specific property set. Here we assume that these property sets may be viewed as fuzzy sets.

2. The Proposed Methodology and Implementation

Classification of systolic blood pressure, the degree blood pressure of normal man between 120 – 170 so if the blood pressure of this man is 134 is low degree and 154 is high degree, we can transform these degree to fuzzy form by divide any degree by 170, for example

Types of diseases	Degree	Fuzzy sets values
Classification of systolic blood pressure	120	$\frac{120}{170} = 0.70$
	137	$\frac{144}{170} = 0.80$
	160	$\frac{160}{170} = 0.94$
	170	$\frac{170}{170} = 1.00$

Table 1 transforms the data to fuzzy form

By the same fashion Classification of cholesterol, maximum heart rate, blood sugar, old peak and age and transform these degree to fuzzy form by divide any degree by high degree , for example

Types of diseases	Degree	Fuzzy sets values
Classification of Cholesterol	197	$\frac{197}{300} = 0.65$
	210	$\frac{210}{300} = 0.70$
	260	$\frac{260}{300} = 0.86$
	300	$\frac{300}{300} = 1.00$

Follow Table 1 transforms the data to fuzzy form

Types of diseases	Degree	Fuzzy sets values
Classification of Maximum heart rate	135	$\frac{135}{220} = 0.61$
	180	$\frac{180}{220} = 0.81$
	190	$\frac{190}{220} = 0.86$
	220	$\frac{220}{220} = 1.00$

Follow Table 1 transforms the data to fuzzy form

Types of diseases	Degree	Fuzzy sets values
Classification of Blood sugar	100	$\frac{120}{133} = 0.90$
	112	$\frac{112}{133} = 0.84$
	120	$\frac{120}{133} = 0.90$
	133	$\frac{133}{133} = 1.00$

Follow Table 1 transforms the data to fuzzy form

Types of diseases	Degree	Fuzzy sets values
Classification of old peak	2.0	$\frac{2.0}{4} = 0.50$
	2.8	$\frac{2.8}{4} = 0.70$
	3.2	$\frac{3.2}{4} = 0.80$
	4	$\frac{4}{4} = 1.00$

Follow Table 1 transforms the data to fuzzy form

Types of diseases	Degree	Fuzzy sets values
Classification of Age	20	$\frac{20}{70} = 0.28$
	40	$\frac{40}{70} = 0.57$
	50	$\frac{50}{70} = 0.71$
	70	$\frac{70}{70} = 1.00$

Follow Table 1 transforms the data to fuzzy form

Let study a nine patient have the following reality data as a symptoms of coronary artery disease the first and nine patients take the lower and higher values of symptoms. Our aims study all cases by fuzzy soft expert set and state the risk of the patient and type of treatments, so first, explain a famous possibility a symptoms of coronary artery disease and take only one reality value of a symptoms for all patients. The following table 1 explain The four reality values state the case Low (L), Medium (M), High (H) and Very high (VH) of coronary artery . Table 1 explain the reality values of a symptoms of coronary artery disease

P	Blood pressure	Cholesterol	Maximum heart rate
p_1	$\{120, 137, 160, 170\}$	$\{197, 210, 260, 300\}$	$\{135, 180, 190, 220\}$
p_2	$\{133, 155, 166, 169\}$	$\{110, 137, 160, 220\}$	$\{120, 137, 170, 200\}$
p_3	$\{125, 157, 150, 167\}$	$\{197, 210, 260, 300\}$	$\{144, 177, 190, 200\}$
p_4	$\{110, 147, 150, 166\}$	$\{130, 147, 160, 190\}$	$\{120, 147, 160, 170\}$
p_5	$\{90, 120, 140, 150\}$	$\{200, 210, 250, 270\}$	$\{130, 157, 160, 210\}$
p_6	$\{110, 120, 160, 170\}$	$\{210, 237, 260, 270\}$	$\{135, 167, 190, 200\}$
p_7	$\{140, 157, 160, 166\}$	$\{220, 247, 260, 280\}$	$\{139, 167, 200, 210\}$
p_8	$\{130, 147, 160, 166\}$	$\{190, 210, 260, 270\}$	$\{138, 188, 210, 215\}$
p_9	$\{100, 127, 130, 160\}$	$\{180, 200, 260, 290\}$	$\{140, 180, 200, 210\}$

Table 2: Reality values of a symptoms of coronary artery disease for nine male patients

P	Blood sugar	Old peak	Age
p_1	$\{100, 112, 120, 133\}$	$\{2.0, 2.8, 3.2, 4.0\}$	44
p_2	$\{120, 130, 131, 132\}$	$\{2.0, 2.2, 3.2, 3.9\}$	50
p_3	$\{100, 105, 110, 120\}$	$\{2.0, 2.2, 3.4, 3.6\}$	60
p_4	$\{90, 110, 122, 132\}$	$\{2.1, 2.4, 3.2, 4.0\}$	30
p_5	$\{100, 107, 120, 125\}$	$\{2.0, 2.9, 3.2, 4.0\}$	36
p_6	$\{110, 127, 130, 133\}$	$\{1.8, 2.8, 3.1, 4.0\}$	55
p_7	$\{100, 125, 130, 133\}$	$\{2.0, 2.3, 3.2, 3.7\}$	62
p_8	$\{110, 117, 120, 130\}$	$\{2.4, 2.8, 3.7, 4.0\}$	49

p_9	$\{100, 101, 115, 120\}$	$\{2.0, 2.2, 3.2, 4.0\}$	65

Follows table 2: explain the reality values of symptoms of coronary artery disease for Nine male patients

The following details of symptoms of coronary artery disease according Sikchi et. Al [38], Now our aim is arrive by this data about symptoms of coronary artery disease to fuzzy form so we divide all values by the higher values. And distribute the degree to four fuzzy sets form are Low (L), Medium (M), High (H) and Very high (VH). Table 2 explain the four fuzzy sets are Low (L), Medium (M), High (H) and Very high (VH). The following table 3 explains the data of the patients in fuzzy form,

P	Blood pressure	Cholesterol	Maximum heart rate	Blood sugar	Old peak	Age
p_1	0.70 0.80 0.94 1.00	0.65 0.70 0.86 1.00	0.61 0.81 0.86 1.00	0.75 0.84 0.90 1.00	0.50 0.70 0.80 1.00	0.62
p_2	0.78 0.91 0.97 0.99	0.36 0.45 0.53 0.73	0.54 0.62 0.77 0.90	0.90 0.97 0.98 0.99	0.50 0.55 0.94 0.97	0.71
p_3	0.73 0.92 0.88 0.89	0.65 0.70 0.86 1.00	0.65 0.80 0.86 0.90	0.75 0.78 0.82 0.90	0.50 0.55 0.85 0.90	0.62
p_4	0.64 0.86 0.88 0.97	0.43 0.49 0.53 0.63	0.54 0.66 0.72 0.77	0.67 0.82 0.91 0.99	0.52 0.60 0.80 1.00	0.85

$$p_5 \begin{cases} 0.52 \\ 0.70 \\ 0.82 \\ 0.88 \end{cases} \begin{cases} 0.66 \\ 0.70 \\ 0.83 \\ 0.90 \end{cases} \begin{cases} 0.59 \\ 0.62 \\ 0.77 \\ 0.95 \end{cases} \begin{cases} 0.75 \\ 0.80 \\ 0.90 \\ 0.92 \end{cases} \begin{cases} 0.50 \\ 0.72 \\ 0.80 \\ 1.00 \end{cases} 0.42$$

$$p_6 \begin{cases} 0.64 \\ 0.70 \\ 0.94 \\ 1.00 \end{cases} \begin{cases} 0.70 \\ 0.97 \\ 0.86 \\ 0.90 \end{cases} \begin{cases} 0.61 \\ 0.75 \\ 0.86 \\ 1.00 \end{cases} \begin{cases} 0.82 \\ 0.95 \\ 0.97 \\ 1.00 \end{cases} \begin{cases} 0.45 \\ 0.70 \\ 0.77 \\ 1.00 \end{cases} 0.51$$

$$p_7 \begin{cases} 0.82 \\ 0.92 \\ 0.94 \\ 0.97 \end{cases} \begin{cases} 0.73 \\ 0.82 \\ 0.86 \\ 0.93 \end{cases} \begin{cases} 0.63 \\ 0.75 \\ 0.90 \\ 0.95 \end{cases} \begin{cases} 0.75 \\ 0.92 \\ 0.97 \\ 1.00 \end{cases} \begin{cases} 0.50 \\ 0.57 \\ 0.80 \\ 0.92 \end{cases} 0.78$$

$$p_8 \begin{cases} 0.76 \\ 0.86 \\ 0.94 \\ 0.97 \end{cases} \begin{cases} 0.63 \\ 0.70 \\ 0.86 \\ 0.90 \end{cases} \begin{cases} 0.62 \\ 0.85 \\ 0.95 \\ 0.97 \end{cases} \begin{cases} 0.82 \\ 0.87 \\ 0.90 \\ 0.97 \end{cases} \begin{cases} 0.60 \\ 0.70 \\ 0.92 \\ 1.00 \end{cases} 0.88$$

$$p_9 \begin{cases} 0.58 \\ 0.74 \\ 0.76 \\ 0.94 \end{cases} \begin{cases} 0.60 \\ 0.66 \\ 0.86 \\ 0.96 \end{cases} \begin{cases} 0.63 \\ 0.81 \\ 0.90 \\ 0.95 \end{cases} \begin{cases} 0.75 \\ 0.75 \\ 0.86 \\ 0.90 \end{cases} \begin{cases} 0.50 \\ 0.55 \\ 0.80 \\ 1.00 \end{cases} 0.70$$

Table 3: The data of the patients in fuzzy form

Then the resultant of symptoms (Blood pressure (**BP**) And Cholesterol (**C**)) of coronary artery disease in fuzzy form explained in Table 4 and figure 1

	(**BP**)1 (**C**)1	(**BP**)1 (**C**)2	(**BP**)1 (**C**)3	(**BP**)1 (**C**)4	(**BP**)2 (**C**)1	(**BP**)2 (**C**)2	(**BP**)2 (**C**)3	(**BP**)2 (**C**)4	(**BP**)3 (**C**)1	(**BP**)3 (**C**)2	(**BP**)3 (**C**)3	(**BP**)3 (**C**)4	(**BP**)4 (**C**)1	(**BP**)4 (**C**)2	(**BP**)4 (**C**)3	(**BP**)4 (**C**)4
Patient one	0.70	0.70	0.86	1.00	0.80	0.80	0.86	1.00	0.94	0.94	0.94	1.00	1.00	1.00	1.00	1.00
Patient Two	0.78	0.78	0.78	0.78	0.91	0.91	0.91	0.91	0.97	0.97	0.97	0.97	0.99	0.99	0.99	0.99
Patient Three	0.73	0.73	0.86	1.00	0.92	0.92	0.92	1.00	0.88	0.88	0.88	1.00	0.89	0.89	0.89	1.00
Patient Four	0.64	0.64	0.64	0.64	0.86	0.86	0.86	0.86	0.88	0.88	0.88	0.88	0.97	0.97	0.97	0.97

Patient Five	0.66	0.70	0.83	0.90	0.70	0.70	0.83	0.90	0.82	0.82	0.83	0.90	0.88	0.88	0.88	0.90
Patient Six	0.70	0.97	0.86	0.90	0.70	0.97	0.86	0.90	0.94	0.97	0.94	0.94	1.00	1.00	1.00	1.00
Patient Seven	0.82	0.82	0.86	0.93	0.92	0.92	0.92	0.93	0.94	0.94	0.94	0.94	0.97	0.97	0.97	0.97
Patient Eight	0.76	0.76	0.86	0.90	0.86	0.86	0.86	0.90	0.94	0.94	0.94	0.94	0.97	0.97	0.97	0.97
Patient Nine	0.60	0.66	0.86	0.96	0.74	0.74	0.86	0.96	0.76	0.76	0.86	0.96	0.94	0.94	0.94	0.96

Table 4: The resultant of symptoms (Blood pressure (**BP**) And Cholesterol (**C**))

Such that $(BP)1 \wedge (C)1$ mean that for the patient one $0.70 \vee 0.65 = 0.70$, and $(BP)1 \wedge (C)2$ mean that $0.70 \vee 0.70 = 0.70$. By the same way take the resultant of symptoms (Blood pressure (BP) And Cholesterol (C)) of the patients.
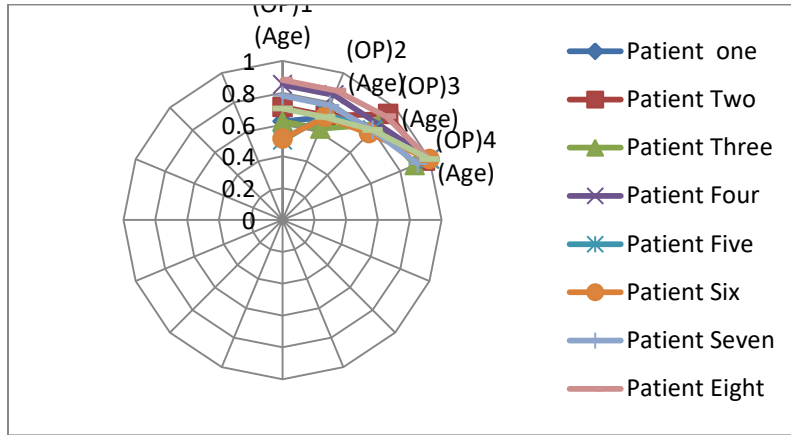

Figure1: The resultant of symptoms (Blood pressure (**BP**) And Cholesterol (**C**)).

By the same fashion we introduce the resultant of symptoms (Maximum heart rate (**MHR**) and Blood sugar (**BS**) in table 5 and figure 2 and the resultant of symptoms (Old peak (**OP**) and Age (**Age**)) in table 6 and figure 3 of coronary artery disease in fuzzy form

	(MHR)1 (BS)1	(MHR)1 (BS)2	(MHR)1 (BS)3	(MHR)1 (BS)4	(MHR)2 (BS)1	(MHR)2 (BS)2	(MHR)2 (BS)3	(MHR)2 (BS)4	(MHR)3 (BS)1	(MHR)3 (BS)2	(MHR)3 (BS)3	(MHR)3 (BS)4	(MHR)4 (BS)1	(MHR)4 (BS)2	(MHR)4 (BS)3	(MHR)4 (BS)4
Patient one	0.75	0.84	0.90	1.00	0.81	0.84	0.94	1.00	0.86	0.86	0.90	1.00	1.00	1.00	1.00	1.00
Patient Two	0.90	0.97	0.98	0.99	0.90	0.97	0.98	0.99	0.90	0.97	0.98	0.99	0.99	0.97	0.98	0.99
Patient Three	0.75	0.78	0.82	0.90	0.80	0.80	0.82	0.90	0.86	0.86	0.86	0.90	0.90	0.90	0.90	0.90
Patient Four	0.67	0.82	0.91	0.99	0.67	0.82	0.91	0.99	0.72	0.82	0.91	0.99	0.77	0.82	0.91	0.99
Patient Five	0.75	0.80	0.90	0.92	0.75	0.80	0.90	0.92	0.77	0.80	0.90	0.92	0.95	0.95	0.95	0.95
Patient Six	0.82	0.95	0.97	1.00	0.82	0.95	0.97	1.00	0.86	0.95	0.97	1.00	1.00	1.00	1.00	1.00
Patient Seven	0.75	0.92	0.97	1.00	0.75	0.92	0.97	1.00	0.90	0.92	0.97	1.00	0.95	0.95	0.97	1.00
Patient Eight	0.82	0.87	0.90	0.97	0.85	0.87	0.90	0.97	0.95	0.95	0.95	0.97	0.97	0.97	0.97	0.97
Patient Nine	0.75	0.75	0.86	0.90	0.81	0.81	0.86	0.90	0.90	0.90	0.90	0.90	0.95	0.95	0.95	0.95

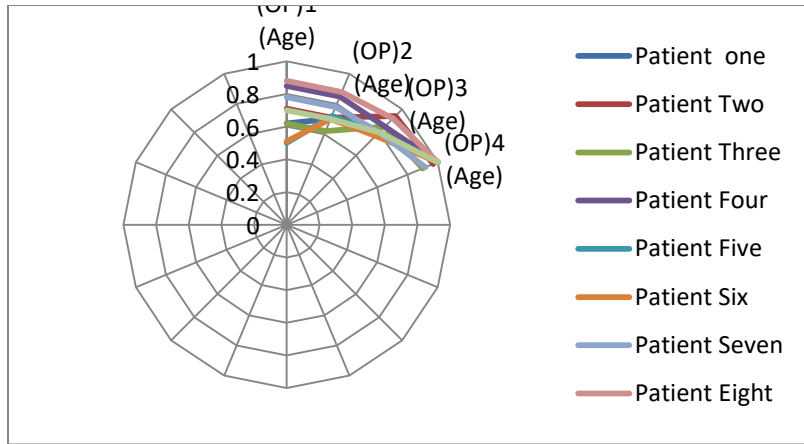Table 5: The resultant of symptoms (Maximum heart rate (**MHR**) and Blood sugar (**BS**))

Figure2:   The resultant of symptoms (Maximum heart rate (**MHR**) and Blood sugar (**BS**))

patients	(**OP**)1 (**Age**)	(**OP**)2 (**Age**)	(**OP**)3 (**Age**)	(**OP**)4 (**Age**)
Patient one	0.62	0.70	0.80	1.00
Patient Two	0.71	0.71	0.94	0.97
Patient Three	0.62	0.62	0.85	0.90
Patient Four	0.85	0.85	0.85	1.00
Patient Five	0.50	0.72	0.80	1.00
Patient Six	0.51	0.70	0.77	1.00
Patient Seven	0.78	0.78	0.80	0.92
Patient Eight	0.88	0.88	0.92	1.00
Patient Nine	0.70	0.70	0.80	1.00

Table 6:   The resultant of symptoms ((Old peak (**OP**) and Age (**Age**))
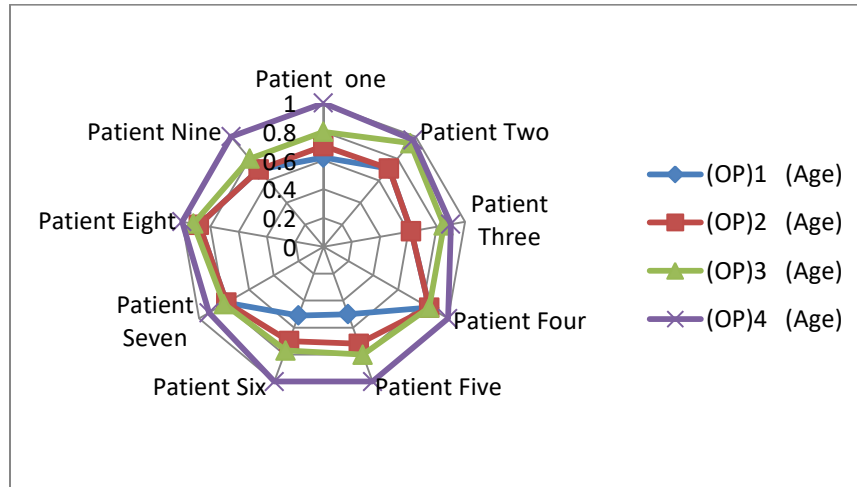

Figure3: The resultant of symptoms ((Old peak (**OP**) and Age (**Age**))

Now from tables 4 and 5, we will have 16×16 parameters by take (BP)1 (C)1 in table 4 for all the patients with all parameters of patients in table 5. And (BP)1 (C)2 in table 4 for all the patients with all parameters of patients in table 5. And (BP)1 (C)3 in table 4 for the

all patients with all parameters of patients in table 5. And (BP)1 (C)4 in table 4 for the all patients with all parameters of patients in table 5 and complete by the same way to arrive to the parameter (BP)4 (C)4 in table 4 for the all patients with all parameters of patients in table 5. The results of these values explained in the following tables 7 (From table 7(a) to follow table 7(p)).

will began by (BP)1(C)1 in table 4 for the all patients with all parameters (MHR)1   (BS)1, (MHR)1 (BS)2, (MHR)1   (BS)3, (MHR)1   (BS)4, (MHR)2   (BS)1, (MHR)2   (BS)2, (MHR)2 (BS)3, (MHR)2   (BS)4, (MHR)3   (BS)1, (MHR)3   (BS)2, (MHR)3   (BS)3, (MHR)3   (BS)4, (MHR)4   (BS)1, (MHR)4   (BS)2, (MHR)4   (BS)3, (MHR)4   (BS)4   of all patients in table 5. Explained in able 7(a): The resultant (BP)1 (C)1 with (BP)i   (C)j, i=j=1,2,3,4.

 And complete by take (BP)1(C)2 in table 4 for the all patients with all parameters (MHR)1 (BS)1, (MHR)1   (BS)2, (MHR)1   (BS)3, (MHR)1   (BS)4, (MHR)2   (BS)1, (MHR)2   (BS)2, (MHR)2   (BS)3, (MHR)2   (BS)4, (MHR)3   (BS)1, (MHR)3   (BS)2, (MHR)3   (BS)3, (MHR)3 (BS)4, (MHR)4   (BS)1, (MHR)4   (BS)2, (MHR)4   (BS)3, (MHR)4   (BS)4   of all patients in table 5. Explained in follow able 7(b): The resultant (BP)1 (C)1 with (BP)i   (C)j, i=j=1,2,3,4.

By the same model,

 Follow table 7(c): explain the resultant (BP)1 (C)3 with (BP)i   (C)j, i=j=1,2,3,4,

Follow table 7(d): explain the (BP)1 (C)4 with (BP)i   (C)j, i=j=1,2,3,4

Follow table 7(e): explain the (BP)2 (C)1 with (BP)i   (C)j, i=j=1,2,3,4

Follow table 7(f): explain the (BP)2 (C)2 with (BP)i   (C)j, i=j=1,2,3,4

Follow table 7(g): explain the (BP)2 (C)3 with (BP)i   (C)j, i=j=1,2,3,4

Follow table 7(h): explain the (BP)2 (C)4 with (BP)i   (C)j, i=j=1,2,3,4

Follow table 7(i): explain the (BP)3 (C)1 with (BP)i   (C)j, i=j=1,2,3,4

Follow table 7(j): explain the (BP)3 (C)2 with (BP)i   (C)j, i=j=1,2,3,4

Follow table 7(k): explain the (BP)3 (C)3 with (BP)i   (C)j, i=j=1,2,3,4

Follow table 7(l): The resultant (BP)3 (C)4 with (BP)i   (C)j, i=j=1,2,3,4

Follow table 7(m): explain the (BP)4 (C)1 with (BP)i   (C)j, i=j=1,2,3,4

Follow table 7(n): explain the (BP)4 (C)2 with (BP)i   (C)j, i=j=1,2,3,4

Follow table 7(o): explain the (BP)4 (C)3 with (BP)i (C)j, i=j=1,2,3,4

Follow table 7(p): explain the (BP)4 (C)4 with (BP)i (C)j, i=j=1,2,3,4

In the following tables 7 and follow table 7 the statement (BP)1 (C)1 with (MHR)1 (BS)1 mean that $70 \lor 75 = 75$ and (BP)1 (C)1 with (MHR)1 (BS)2 mean that $70 \lor 84 = 84$ and (BP)1 (C)2 with (MHR)1 (BS)1 mean that $70 \lor 75 = 75$ by this fashion complete all values to get tables 7 and follow table 7. And tables 7 and with all follows table's only one table by the long $16 \times 16 = 256$ parameters.

	(BP)1 (C)1 With (MHR)1 (BS)1	(BP)1 (C)1 With (MHR)1 (BS)2	(BP)1 (C)1 With (MHR)1 (BS)3	(BP)1 (C)1 With (MHR)1 (BS)4	(BP)1 (C)1 With (MHR)2 (BS)1	(BP)1 (C)1 With (MHR)2 (BS)2	(BP)1 (C)1 With (MHR)2 (BS)3	(BP)1 (C)1 With (MHR)2 (BS)4	(BP)1 (C)1 With (MHR)3 (BS)1	(BP)1 (C)1 With (MHR)3 (BS)2	(BP)1 (C)1 With (MHR)3 (BS)3	(BP)1 (C)1 With (MHR)3 (BS)4	(BP)1 (C)1 With (MHR)4 (BS)1	(BP)1 (C)1 With (MHR)4 (BS)2	(BP)1 (C)1 With (MHR)4 (BS)3	(BP)1 (C)1 With (MHR)4 (BS)4
Patient one	0.75	0.84	0.90	1.00	0.81	0.84	0.94	1.00	0.86	0.86	0.90	1.00	1.00	1.00	1.00	1.00
Patient Two	0.90	0.97	0.98	0.99	0.90	0.97	0.98	0.99	0.90	0.97	0.98	0.99	0.99	0.97	0.98	0.99
Patient Three	0.75	0.78	0.82	0.90	0.80	0.80	0.82	0.90	0.86	0.86	0.86	0.90	0.90	0.90	0.90	0.90
Patient Four	0.67	0.82	0.91	0.99	0.67	0.82	0.91	0.99	0.72	0.82	0.91	0.99	0.77	0.82	0.91	0.99
Patient Five	0.75	0.80	0.90	0.92	0.75	0.80	0.90	0.92	0.77	0.80	0.90	0.92	0.95	0.95	0.95	0.95
Patient Six	0.82	0.95	0.97	1.00	0.82	0.95	0.97	1.00	0.86	0.95	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.82	0.92	0.97	1.00	0.82	0.92	0.97	1.00	0.90	0.92	0.97	1.00	0.95	0.95	0.97	1.00
Patient Eight	0.82	0.87	0.90	0.97	0.85	0.87	0.90	0.97	0.95	0.95	0.95	0.97	0.97	0.97	0.97	0.97
Patient Nine	0.75	0.75	0.86	0.90	0.81	0.81	0.86	0.90	0.90	0.90	0.90	0.90	0.95	0.95	0.95	0.95

Table 7(a): The resultant (BP)1 (C)1 with (BP)i (C)j, i=j=1,2,3,4

	(BP)1 (C)2 With (MHR)1 (BS)1	(BP)1 (C)2 With (MHR)1 (BS)2	(BP)1 (C)2 With (MHR)1 (BS)3	(BP)1 (C)2 With (MHR)1 (BS)4	(BP)1 (C)2 With (MHR)2 (BS)1	(BP)1 (C)2 With (MHR)2 (BS)2	(BP)1 (C)2 With (MHR)2 (BS)3	(BP)1 (C)2 With (MHR)2 (BS)4	BP)1 (C)2 With (MHR)3 (BS)1	BP)1 (C)2 With (MHR)3 (BS)2	BP)1 (C)2 With (MHR)3 (BS)3	BP)1 (C)2 With (MHR)3 (BS)4	BP)1 (C)2 With (MHR)4 (BS)1	BP)1 (C)2 With (MHR)4 (BS)2	BP)1 (C)2 With (MHR)4 (BS)3	BP)1 (C)2 With (MHR)4 (BS)4
Patient one	0.75	0.84	0.90	1.00	0.81	0.84	0.94	1.00	0.86	0.86	0.90	1.00	1.00	1.00	1.00	1.00
Patient Two	0.90	0.97	0.98	0.99	0.90	0.97	0.98	0.99	0.90	0.97	0.98	0.99	0.99	0.97	0.98	0.99
Patient Three	0.75	0.78	0.82	0.90	0.80	0.80	0.82	0.90	0.86	0.86	0.86	0.90	0.90	0.90	0.90	0.90
Patient Four	0.67	0.82	0.91	0.99	0.67	0.82	0.91	0.99	0.72	0.82	0.91	0.99	0.77	0.82	0.91	0.99
Patient Five	0.75	0.80	0.90	0.92	0.75	0.80	0.90	0.92	0.77	0.80	0.90	0.92	0.95	0.95	0.95	0.95
Patient Six	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient Seven	0.82	0.92	0.97	1.00	0.82	0.92	0.97	1.00	0.90	0.92	0.97	1.00	0.95	0.95	0.97	1.00
Patient Eight	0.82	0.87	0.90	0.97	0.85	0.87	0.90	0.97	0.95	0.95	0.95	0.97	0.97	0.97	0.97	0.97
Patient Nine	0.75	0.75	0.86	0.90	0.81	0.81	0.86	0.90	0.90	0.90	0.90	0.90	0.95	0.95	0.95	0.95

Follow table 7(b): The resultant (BP)1 (C)2 with (BP)i (C)j, i=j=1,2,3,4

	(BP)1 (C)3 With (MHR)1 (BS)1	(BP)1 (C)3 With (MHR)1 (BS)2	(BP)1 (C)3 With (MHR)1 (BS)3	(BP)1 (C)3 With (MHR)1 (BS)4	(BP)1 (C)3 With (MHR)2 (BS)1	(BP)1 (C)3 With (MHR)2 (BS)2	(BP)1 (C)3 With (MHR)2 (BS)3	(BP)1 (C)3 With (MHR)2 (BS)4	(BP)1 (C)3 With (MHR)3 (BS)1	(BP)1 (C)3 With (MHR)3 (BS)2	(BP)1 (C)3 With (MHR)3 (BS)3	(BP)1 (C)3 With (MHR)3 (BS)4	(BP)1 (C)3 With (MHR)4 (BS)1	(BP)1 (C)3 With (MHR)4 (BS)2	(BP)1 (C)3 With (MHR)4 (BS)3	(BP)1 (C)3 With (MHR)4 (BS)4
Patient one	0.86	0.86	0.90	1.00	0.86	0.86	0.94	1.00	0.86	0.86	0.90	1.00	1.00	1.00	1.00	1.00
Patient Two	0.90	0.97	0.98	0.99	0.90	0.97	0.98	0.99	0.90	0.97	0.98	0.99	0.99	0.97	0.98	0.99
Patient Three	0.86	0.86	0.86	0.90	0.86	0.86	0.86	0.90	0.86	0.86	0.86	0.90	0.90	0.90	0.90	0.90

Patient Four	0.67	0.82	0.91	0.99	0.67	0.82	0.91	0.99	0.72	0.82	0.91	0.99	0.77	0.82	0.91	0.99
Patient Five	0.83	0.83	0.90	0.92	0.83	0.83	0.90	0.92	0.83	0.83	0.90	0.92	0.95	0.95	0.95	0.95
Patient Six	0.86	0.95	0.97	1.00	0.86	0.95	0.97	1.00	0.86	0.95	0.97	1.00	1.00	1.00	1.00	1.00
Patient Seven	0.86	0.92	0.97	1.00	0.86	0.92	0.97	1.00	0.90	0.92	0.97	1.00	0.95	0.95	0.97	1.00
Patient Eight	0.86	0.87	0.90	0.97	0.86	0.87	0.90	0.97	0.95	0.95	0.95	0.97	0.97	0.97	0.97	0.97
Patient Nine	0.86	0.86	0.86	0.90	0.81	0.81	0.86	0.90	0.90	0.90	0.90	0.90	0.95	0.95	0.95	0.95

Follow table 7(c): The resultant (BP)1 (C)3 with (BP)i (C)j, i=j=1,2,3,4

	(BP)1(C)4 With (MHR)1 (BS)1	(BS)2	(BS)3	(BS)4	(MHR)2 (BS)1	(BS)2	(BS)3	(BS)4	(MHR)3 (BS)1	(BS)2	(BS)3	(BS)4	(MHR)4 (BS)1	(BS)2	(BS)3	(BS)4
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.90	0.97	0.98	0.99	0.90	0.97	0.98	0.99	0.90	0.97	0.98	0.99	0.99	0.97	0.98	0.99
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.67	0.82	0.91	0.99	0.67	0.82	0.91	0.99	0.72	0.82	0.91	0.99	0.77	0.82	0.91	0.99
Patient Five	0.90	0.90	0.90	0.92	0.90	0.90	0.90	0.92	0.90	0.90	0.90	0.92	0.95	0.95	0.95	0.95
Patient Six	0.90	0.95	0.97	1.00	0.90	0.95	0.97	1.00	0.90	0.95	0.97	1.00	1.00	1.00	1.00	1.00
Patient Seven	0.93	0.93	0.97	1.00	0.93	0.93	0.97	1.00	0.93	0.93	0.97	1.00	0.95	0.95	0.97	1.00
Patient Eight	0.90	0.90	0.90	0.97	0.90	0.90	0.90	0.97	0.95	0.95	0.95	0.97	0.97	0.97	0.97	0.97
Patient Nine	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96

Follow table 7(d): The resultant (BP)1 (C)4 with (BP)i (C)j, i=j=1,2,3,4

	(BP)2(C)1 With (MHR)1 (BS)1	(BS)2	(BS)3	(BS)4	(MHR)2 (BS)1	(BS)2	(BS)3	(BS)4	(MHR)3 (BS)1	(BS)2	(BS)3	(BS)4	(MHR)4 (BS)1	(BS)2	(BS)3	(BS)4
Patient one	0.80	0.84	0.90	1.00	0.81	0.84	0.94	1.00	0.86	0.86	0.90	1.00	1.00	1.00	1.00	1.00
Patient Two	0.91	0.97	0.98	0.99	0.91	0.97	0.98	0.99	0.90	0.97	0.98	0.99	0.99	0.97	0.98	0.99
Patient Three	0.92	0.82	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Patient Four	0.86	0.86	0.91	0.99	0.86	0.86	0.91	0.99	0.86	0.86	0.91	0.99	0.86	0.86	0.91	0.99
Patient Five	0.75	0.80	0.90	0.92	0.75	0.80	0.90	0.92	0.77	0.80	0.90	0.92	0.95	0.95	0.95	0.95
Patient Six	0.82	0.95	0.97	1.00	0.82	0.95	0.97	1.00	0.86	0.95	0.97	1.00	1.00	1.00	1.00	1.00
Patient Seven	0.92	0.92	0.97	1.00	0.92	0.92	0.97	1.00	0.90	0.92	0.97	1.00	0.95	0.95	0.97	1.00
Patient Eight	0.86	0.87	0.90	0.97	0.86	0.87	0.90	0.97	0.95	0.95	0.95	0.97	0.97	0.97	0.97	0.97
Patient Nine	0.75	0.75	0.86	0.90	0.81	0.81	0.86	0.90	0.90	0.90	0.90	0.90	0.95	0.95	0.95	0.95

Follow table 7(e): The resultant (BP)2 (C)1 with (BP)i (C)j, i=j=1,2,3,4

	(BP)2(C)2 With (MHR)1 (BS)1	(BS)2	(BS)3	(BS)4	(MHR)2 (BS)1	(BS)2	(BS)3	(BS)4	(MHR)3 (BS)1	(BS)2	(BS)3	(BS)4	(MHR)4 (BS)1	(BS)2	(BS)3	(BS)4
Patient one	0.80	0.84	0.90	1.00	0.81	0.84	0.94	1.00	0.86	0.86	0.90	1.00	1.00	1.00	1.00	1.00
Patient Two	0.91	0.97	0.98	0.99	0.91	0.97	0.98	0.99	0.90	0.97	0.98	0.99	0.99	0.97	0.98	0.99
Patient Three	0.92	0.82	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Patient Four	0.86	0.86	0.91	0.99	0.86	0.86	0.91	0.99	0.86	0.86	0.91	0.99	0.86	0.86	0.91	0.99
Patient Five	0.75	0.80	0.90	0.92	0.75	0.80	0.90	0.92	0.77	0.80	0.90	0.92	0.95	0.95	0.95	0.95
Patient Six	0.97	0.95	0.97	1.00	0.97	0.97	0.97	1.00	0.97	0.95	0.97	1.00	1.00	1.00	1.00	1.00

Patient Seven	0.92	0.92	0.97	1.00	0.92	0.92	0.97	1.00	0.90	0.92	0.97	1.00	0.95	0.95	0.97	1.00
Patient Eight	0.86	0.87	0.90	0.97	0.86	0.87	0.90	0.97	0.95	0.95	0.95	0.97	0.97	0.97	0.97	0.97
Patient Nine	0.75	0.75	0.86	0.90	0.81	0.81	0.86	0.90	0.90	0.90	0.90	0.90	0.95	0.95	0.95	0.95

Follow table 7(f): The resultant $(BP)2\ (C)2$ with $(BP)i\ (C)j$, i=j=1,2,3,4

	$(BP)2(C)3$ With $(MHR)1(BS)1$	$(MHR)1(BS)2$	$(MHR)1(BS)3$	$(MHR)1(BS)4$	$(MHR)2(BS)1$	$(MHR)2(BS)2$	$(MHR)2(BS)3$	$(MHR)2(BS)4$	$(MHR)3(BS)1$	$(MHR)3(BS)2$	$(MHR)3(BS)3$	$(MHR)3(BS)4$	$(MHR)4(BS)1$	$(MHR)4(BS)2$	$(MHR)4(BS)3$	$(MHR)4(BS)4$
Patient one	0.86	0.86	0.90	1.00	0.86	0.86	0.94	1.00	0.86	0.86	0.90	1.00	1.00	1.00	1.00	1.00
Patient Two	0.91	0.97	0.98	0.99	0.91	0.97	0.98	0.99	0.90	0.97	0.98	0.99	0.99	0.97	0.98	0.99
Patient Three	0.92	0.82	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Patient Four	0.86	0.86	0.91	0.99	0.86	0.86	0.91	0.99	0.86	0.86	0.91	0.99	0.86	0.86	0.91	0.99
Patient Five	0.83	0.83	0.90	0.92	0.83	0.83	0.90	0.92	0.83	0.83	0.90	0.92	0.95	0.95	0.95	0.95
Patient Six	0.86	0.95	0.97	1.00	0.86	0.95	0.97	1.00	0.86	0.95	0.97	1.00	1.00	1.00	1.00	1.00
Patient Seven	0.92	0.92	0.97	1.00	0.92	0.92	0.97	1.00	0.90	0.92	0.97	1.00	0.95	0.95	0.97	1.00
Patient Eight	0.86	0.87	0.90	0.97	0.86	0.87	0.90	0.97	0.95	0.95	0.95	0.97	0.97	0.97	0.97	0.97
Patient Nine	0.86	0.86	0.86	0.90	0.81	0.81	0.86	0.90	0.90	0.90	0.90	0.90	0.95	0.95	0.95	0.95

Follow table 7(g): The resultant $(BP)2\ (C)3$ with $(BP)i\ (C)j$, i=j=1,2,3,4

	$(BP)2(C)4$ With $(MHR)1(BS)1$	$(MHR)1(BS)2$	$(MHR)1(BS)3$	$(MHR)1(BS)4$	$(MHR)2(BS)1$	$(MHR)2(BS)2$	$(MHR)2(BS)3$	$(MHR)2(BS)4$	$(MHR)3(BS)1$	$(MHR)3(BS)2$	$(MHR)3(BS)3$	$(MHR)3(BS)4$	$(MHR)4(BS)1$	$(MHR)4(BS)2$	$(MHR)4(BS)3$	$(MHR)4(BS)4$
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.91	0.97	0.98	0.99	0.91	0.97	0.98	0.99	0.90	0.97	0.98	0.99	0.99	0.97	0.98	0.99
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.86	0.86	0.91	0.99	0.86	0.86	0.91	0.99	0.86	0.86	0.91	0.99	0.86	0.86	0.91	0.99
Patient Five	0.90	0.90	0.90	0.92	0.90	0.90	0.90	0.92	0.90	0.90	0.90	0.92	0.95	0.95	0.95	0.95
Patient Six	0.90	0.95	0.97	1.00	0.90	0.95	0.97	1.00	0.90	0.95	0.97	1.00	1.00	1.00	1.00	1.00
Patient Seven	0.93	0.93	0.97	1.00	0.93	0.93	0.97	1.00	0.93	0.93	0.97	1.00	0.95	0.95	0.97	1.00
Patient Eight	0.90	0.90	0.90	0.97	0.90	0.90	0.90	0.97	0.95	0.95	0.95	0.97	0.97	0.97	0.97	0.97
Patient Nine	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96

Follow table 7(h): The resultant $(BP)2\ (C)4$ with $(BP)i\ (C)j$, i=j=1,2,3,4

	$(BP)3(C)1$ With $(MHR)1(BS)1$	$(MHR)1(BS)2$	$(MHR)1(BS)3$	$(MHR)1(BS)4$	$(MHR)2(BS)1$	$(MHR)2(BS)2$	$(MHR)2(BS)3$	$(MHR)2(BS)4$	$(MHR)3(BS)1$	$(MHR)3(BS)2$	$(MHR)3(BS)3$	$(MHR)3(BS)4$	$(MHR)4(BS)1$	$(MHR)4(BS)2$	$(MHR)4(BS)3$	$(MHR)4(BS)4$
Patient one	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00	1.00	1.00	1.00	1.00
Patient Two	0.97	0.97	0.98	0.99	0.97	0.97	0.98	0.99	0.90	0.97	0.98	0.99	0.99	0.97	0.98	0.99
Patient Three	0.88	0.88	0.88	0.90	0.88	0.88	0.88	0.90	0.88	0.88	0.88	0.90	0.90	0.90	0.90	0.90
Patient Four	0.88	0.88	0.91	0.99	0.88	0.88	0.91	0.99	0.88	0.88	0.91	0.99	0.88	0.88	0.91	0.99
Patient Five	0.82	0.82	0.90	0.92	0.82	0.82	0.90	0.92	0.82	0.82	0.90	0.92	0.95	0.95	0.95	0.95
Patient Six	0.94	0.95	0.97	1.00	0.94	0.95	0.97	1.00	0.94	0.95	0.97	1.00	1.00	1.00	1.00	1.00
Patient Seven	0.94	0.94	0.97	1.00	0.94	0.94	0.97	1.00	0.94	0.94	0.97	1.00	0.95	0.95	0.97	1.00
Patient Eight	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.97	0.95	0.95	0.95	0.97	0.97	0.97	0.97	0.97
Patient Nine	0.76	0.76	0.86	0.90	0.81	0.81	0.86	0.90	0.90	0.90	0.90	0.90	0.95	0.95	0.95	0.95

Follow table 7(i): The resultant (BP)3 (C)1 with (BP)i (C)j, i=j=1,2,3,4

	(BP)3 (C)2 With (MHR)1 (BS)1	(BP)3 (C)2 With (MHR)1 (BS)2	(BP)3 (C)2 With (MHR)1 (BS)3	(BP)3 (C)2 With (MHR)1 (BS)4	(BP)3 (C)2 With (MHR)2 (BS)1	(BP)3 (C)2 With (MHR)2 (BS)2	(BP)3 (C)2 With (MHR)2 (BS)3	(BP)3 (C)2 With (MHR)2 (BS)4	(BP)3 (C)2 With (MHR)3 (BS)1	(BP)3 (C)2 With (MHR)3 (BS)2	(BP)3 (C)2 With (MHR)3 (BS)3	(BP)3 (C)2 With (MHR)3 (BS)4	(BP)3 (C)2 With (MHR)4 (BS)1	(BP)3 (C)2 With (MHR)4 (BS)2	(BP)3 (C)2 With (MHR)4 (BS)3	(BP)3 (C)2 With (MHR)4 (BS)4
Patient one	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00	1.00	1.00	1.00	1.00
Patient Two	0.97	0.97	0.98	0.99	0.97	0.97	0.98	0.99	0.90	0.97	0.98	0.99	0.99	0.97	0.98	0.99
Patient Three	0.88	0.88	0.88	0.90	0.88	0.88	0.88	0.90	0.88	0.88	0.88	0.90	0.90	0.90	0.90	0.90
Patient Four	0.88	0.88	0.91	0.99	0.88	0.88	0.91	0.99	0.88	0.88	0.91	0.99	0.88	0.88	0.91	0.99
Patient Five	0.82	0.82	0.90	0.92	0.82	0.82	0.90	0.92	0.82	0.82	0.90	0.92	0.95	0.95	0.95	0.95
Patient Six	0.97	0.95	0.97	1.00	0.97	0.97	0.97	1.00	0.97	0.95	0.97	1.00	1.00	1.00	1.00	1.00
Patient Seven	0.94	0.94	0.97	1.00	0.94	0.94	0.97	1.00	0.94	0.94	0.97	1.00	0.95	0.95	0.97	1.00
Patient Eight	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.97	0.95	0.95	0.95	0.97	0.97	0.97	0.97	0.97
Patient Nine	0.76	0.76	0.86	0.90	0.81	0.81	0.86	0.90	0.90	0.90	0.90	0.90	0.95	0.95	0.95	0.95

Follow table 7(j): The resultant (BP)3 (C)2 with (BP)i (C)j, i=j=1,2,3,4

	(BP)3 (C)3 With (MHR)1 (BS)1	(BP)3 (C)3 With (MHR)1 (BS)2	(BP)3 (C)3 With (MHR)1 (BS)3	(BP)3 (C)3 With (MHR)1 (BS)4	(BP)3 (C)3 With (MHR)2 (BS)1	(BP)3 (C)3 With (MHR)2 (BS)2	(BP)3 (C)3 With (MHR)2 (BS)3	(BP)3 (C)3 With (MHR)2 (BS)4	(BP)3 (C)3 With (MHR)3 (BS)1	(BP)3 (C)3 With (MHR)3 (BS)2	(BP)3 (C)3 With (MHR)3 (BS)3	(BP)3 (C)3 With (MHR)3 (BS)4	(BP)3 (C)3 With (MHR)4 (BS)1	(BP)3 (C)3 With (MHR)4 (BS)2	(BP)3 (C)3 With (MHR)4 (BS)3	(BP)3 (C)3 With (MHR)4 (BS)4
Patient one	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00	1.00	1.00	1.00	1.00
Patient Two	0.97	0.97	0.98	0.99	0.97	0.97	0.98	0.99	0.90	0.97	0.98	0.99	0.99	0.97	0.98	0.99
Patient Three	0.88	0.88	0.88	0.90	0.88	0.88	0.88	0.90	0.88	0.88	0.88	0.90	0.90	0.90	0.90	0.90
Patient Four	0.88	0.88	0.91	0.99	0.88	0.88	0.91	0.99	0.88	0.88	0.91	0.99	0.88	0.88	0.91	0.99
Patient Five	0.83	0.83	0.90	0.92	0.83	0.83	0.90	0.92	0.83	0.83	0.90	0.92	0.95	0.95	0.95	0.95
Patient Six	0.94	0.95	0.97	1.00	0.94	0.95	0.97	1.00	0.94	0.95	0.97	1.00	1.00	1.00	1.00	1.00
Patient Seven	0.94	0.94	0.97	1.00	0.94	0.94	0.97	1.00	0.94	0.94	0.97	1.00	0.95	0.95	0.97	1.00
Patient Eight	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.97	0.95	0.95	0.95	0.97	0.97	0.97	0.97	0.97
Patient Nine	0.86	0.86	0.86	0.90	0.81	0.81	0.86	0.90	0.90	0.90	0.90	0.90	0.95	0.95	0.95	0.95

Follow table 7(k): The resultant (BP)3 (C)3 with (BP)i (C)j, i=j=1,2,3,4

	(BP)3 (C)4 With (MHR)1 (BS)1	(BP)3 (C)41 With (MHR)1 (BS)2	(BP)1 (C)1 With (MHR)1 (BS)3	(BP)3 (C)4 With (MHR)1 (BS)4	(BP)3 (C)41 With (MHR)2 (BS)1	(BP)3 (C)4 With (MHR)2 (BS)2	(BP)3 (C)41 With (MHR)2 (BS)3	(BP)3 (C)4 With (MHR)2 (BS)4	(BP)3 (C)41 With (MHR)3 (BS)1	(BP)3 (C)4 With (MHR)3 (BS)2	(BP)3 (C)41 With (MHR)3 (BS)3	(BP)3 (C)4 With (MHR)3 (BS)4	(BP)3 (C)41 With (MHR)4 (BS)1	(BP)3 (C)4 With (MHR)4 (BS)2	(BP)3 (C)41 With (MHR)4 (BS)3	(BP)3 (C)4 With (MHR)4 (BS)4
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.97	0.97	0.98	0.99	0.97	0.97	0.98	0.99	0.90	0.97	0.98	0.99	0.99	0.97	0.98	0.99
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.88	0.88	0.91	0.99	0.88	0.88	0.91	0.99	0.88	0.88	0.91	0.99	0.88	0.88	0.91	0.99
Patient Five	0.90	0.90	0.90	0.92	0.90	0.90	0.90	0.92	0.90	0.90	0.90	0.92	0.95	0.95	0.95	0.95
Patient Six	0.94	0.95	0.97	1.00	0.94	0.95	0.97	1.00	0.94	0.95	0.97	1.00	1.00	1.00	1.00	1.00
Patient Seven	0.94	0.94	0.97	1.00	0.94	0.94	0.97	1.00	0.94	0.94	0.97	1.00	0.95	0.95	0.97	1.00
Patient Eight	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.97	0.95	0.95	0.95	0.97	0.97	0.97	0.97	0.97
Patient Nine	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96

Follow table 7(l): The resultant (BP)3 (C)4 with (BP)i (C)j, i=j=1,2,3,4

	(BP)4 (C)1	(BP)4 (C)1	(BP)4 (C)1	(BP)4 (C)1	(BP)4 (C)1	(BP)4 (C)1	(BP)4 (C)1	(BP)4 (C)1	(BP)4 (C)1	(BP)4 (C)1	(BP)4 (C)1	(BP)4 (C)1	(BP)4 (C)1	(BP)4 (C)1	(BP)4 (C)1

	With (MHR)1 (BS)1	With (MHR)1 (BS)2	With (MHR)1 (BS)3	With (MHR)1 (BS)4	With (MHR)2 (BS)1	With (MHR)2 (BS)2	With (MHR)2 (BS)3	With (MHR)2 (BS)4	With (MHR)3 (BS)1	With (MHR)3 (BS)2	With (MHR)3 (BS)3	With (MHR)3 (BS)4	With (MHR)4 (BS)1	With (MHR)4 (BS)2	With (MHR)4 (BS)3	With (MHR)4 (BS)4
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	0.89	0.89	0.89	0.90	0.89	0.89	0.89	0.90	0.89	0.89	0.89	0.90	0.90	0.90	0.90	0.90
Patient Four	0.97	0.97	0.97	0.99	0.97	0.97	0.97	0.99	0.97	0.97	0.97	0.99	0.97	0.97	0.97	0.99
Patient Five	0.88	0.88	0.90	0.92	0.88	0.88	0.90	0.92	0.88	0.88	0.90	0.92	0.95	0.95	0.95	0.95
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Seven	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Eight	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Patient Nine	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.95	0.95	0.95	0.95

Follow table 7(m): The resultant (BP)4 (C)1 with (BP)i (C)j, i=j=1,2,3,4

	(BP)4 (C)2 With (MHR)1 (BS)1	(BP)4 (C)2 With (MHR)1 (BS)2	(BP)4 (C)2 With (MHR)1 (BS)3	(BP)4 (C)2 With (MHR)1 (BS)4	(BP)4 (C)2 With (MHR)2 (BS)1	(BP)4 (C)2 With (MHR)2 (BS)2	(BP)4 (C)2 With (MHR)2 (BS)3	(BP)4 (C)2 With (MHR)2 (BS)4	(BP)4 (C)2 With (MHR)3 (BS)1	(BP)4 (C)2 With (MHR)3 (BS)2	(BP)4 (C)2 With (MHR)3 (BS)3	(BP)4 (C)2 With (MHR)3 (BS)4	(BP)4 (C)2 With (MHR)4 (BS)1	(BP)4 (C)2 With (MHR)4 (BS)2	(BP)4 (C)2 With (MHR)4 (BS)3	(BP)4 (C)2 With (MHR)4 (BS)4
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	0.89	0.89	0.89	0.90	0.89	0.89	0.89	0.90	0.89	0.89	0.89	0.90	0.90	0.90	0.90	0.90
Patient Four	0.97	0.97	0.97	0.99	0.97	0.97	0.97	0.99	0.97	0.97	0.97	0.99	0.97	0.97	0.97	0.99
Patient Five	0.88	0.88	0.90	0.92	0.88	0.88	0.90	0.92	0.88	0.88	0.90	0.92	0.95	0.95	0.95	0.95
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Seven	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Eight	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Patient Nine	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.95	0.95	0.95	0.95

Follow table 7(n): The resultant (BP)4 (C)2 with (BP)i (C)j, i=j=1,2,3,4

	(BP)4 (C)3 With (MHR)1 (BS)1	(BP)4 (C)3 With (MHR)1 (BS)2	(BP)4 (C)3 With (MHR)1 (BS)3	(BP)4 (C)3 With (MHR)1 (BS)4	(BP)4 (C)3 With (MHR)2 (BS)1	(BP)4 (C)3 With (MHR)2 (BS)2	(BP)4 (C)3 With (MHR)2 (BS)3	(BP)4 (C)3 With (MHR)2 (BS)4	(BP)4 (C)3 With (MHR)3 (BS)1	(BP)4 (C)3 With (MHR)3 (BS)2	(BP)4 (C)3 With (MHR)3 (BS)3	(BP)4 (C)3 With (MHR)3 (BS)4	(BP)4 (C)3 With (MHR)4 (BS)1	(BP)4 (C)3 With (MHR)4 (BS)2	(BP)4 (C)3 With (MHR)4 (BS)3	(BP)4 (C)3 With (MHR)4 (BS)4
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	0.89	0.89	0.89	0.90	0.89	0.89	0.89	0.90	0.89	0.89	0.89	0.90	0.90	0.90	0.90	0.90
Patient Four	0.97	0.97	0.97	0.99	0.97	0.97	0.97	0.99	0.97	0.97	0.97	0.99	0.97	0.97	0.97	0.99
Patient Five	0.88	0.88	0.90	0.92	0.88	0.88	0.90	0.92	0.88	0.88	0.90	0.92	0.95	0.95	0.95	0.95
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Seven	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Eight	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Patient Nine	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.95	0.95	0.95	0.95

Follow table 7(o): The resultant (BP)4 (C)3 with (BP)i (C)j, i=j=1,2,3,4

	(BP)4 (C)4 With (MHR)1 (BS)1	(BP)4 (C)4 With (MHR)1 (BS)2	(BP)4 (C)4 With (MHR)1 (BS)3	(BP)4 (C)4 With (MHR)1 (BS)4	(BP)4 (C)4 With (MHR)2 (BS)1	(BP)4 (C)4 With (MHR)2 (BS)2	(BP)4 (C)4 With (MHR)2 (BS)3	(BP)4 (C)4 With (MHR)2 (BS)4	(BP)4 (C)4 With (MHR)3 (BS)1	(BP)4 (C)4 With (MHR)3 (BS)2	(BP)4 (C)4 With (MHR)3 (BS)3	(BP)4 (C)4 With (MHR)3 (BS)4	(BP)4 (C)4 With (MHR)4 (BS)1	(BP)4 (C)4 With (MHR)4 (BS)2	(BP)4 (C)4 With (MHR)4 (BS)3	(BP)4 (C)4 With (MHR)4 (BS)4

Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.97	0.97	0.97	0.99	0.97	0.97	0.97	0.99	0.97	0.97	0.97	0.99	0.97	0.97	0.97	0.99
Patient Five	0.90	0.90	0.90	0.92	0.90	0.90	0.90	0.92	0.90	0.90	0.90	0.92	0.95	0.95	0.95	0.95
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Seven	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Eight	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Patient Nine	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96

Follow table 7(p): The resultant $(BP)4$ $(C)4$ with $(BP)i$ $(C)j$, $i=j=1,2,3,4$

Now from tables 6 and 7, we will have $256 \times 4 = 1024$ parameters.

Now we take from table 7(a) and table 6

$$\left((BP)1 \; (C)1 \quad \textbf{with} \quad (MHR)1 \; (BS)1 \right) \; \textbf{with} \; (OP)1 \; (Age) \; ,$$

$$\left((BP)1 \; (C)1 \quad \textbf{with} \quad (MHR)1 \; (BS)1 \right) \; \textbf{with} \; (OP)2 \; (Age),$$

$$\left((BP)1 \; (C)1 \quad \textbf{with} \quad (MHR)1 \; (BS)1 \right) \; \textbf{with} \; (OP)3 \; (Age),$$

$$\left((BP)1 \; (C)1 \quad \textbf{with} \quad (MHR)1 \; (BS)1 \right) \; \textbf{with} \; (OP)4 \; (Age),$$

We get the following tables (8 and follows tables 8), (and figures 4-11).

Respectively we take from table 7(b) and table 6

$$\left((BP)1 \; (C)2 \quad \textbf{with} \quad (MHR)1 \; (BS)1 \right) \; \textbf{with} \; (OP)1 \; (Age) \; ,$$

$$\left((BP)1 \; (C)2 \quad \textbf{with} \quad (MHR)1 \; (BS)1 \right) \; \textbf{with} \; (OP)2 \; (Age),$$

$$\left((BP)1 \; (C)2 \quad \textbf{with} \quad (MHR)1 \; (BS)1 \right) \; \textbf{with} \; (OP)3 \; (Age),$$

$$\Big((BP)1 \ (C)2 \ \textbf{with} \ (MHR)1 \ (BS)1\Big) \ \textbf{with} \ (OP)4 \ (Age),$$

We get the following tables (9 and follows tables 9), (and figures 12-19).

By the same model,

We take from table 7(c) and table 6, we get the following tables (10 and follows tables 10), (and figures 20-27).

We take from 7(d) and table 6, we get the following tables (11 and follows tables 11), (and figures 28-35).

We take from 7(e) and table 6, we get the following tables (12 and follows tables 12), (and figures 36-43).

We take from 7(f) and table 6, we get the following tables (13 and follows tables 13), (and figures 44-51).

We take from 7(g) and table 6, we get the following tables (14 and follows tables 14), (and figures 52-59).

We take from 7(h) and table 6, we get the following tables (15 and follows tables 15), , (and figures 60-67).

We take from 7(i) and table 6, we get the following tables (16 and follows tables 16) , (and figures 68-75).

We take from 7(j) and table 6, we get the following tables (17 and follows tables 17), (and figures 76-83).

We take from 7(k) and table 6, we get the following tables (18 and follows tables 18), , (and figures 84-91).

We take from 7(l) and table 6, we get the following tables (19 and follows tables 19), (and figures 92-99).

We take from 7(m) and table 6, we get the following tables (20 and follows tables 20), (and figures 100-107).

We take from 7(n) and table 6, we get the following tables (21 and follows tables 21), (and figures 108-115).

We take from 7(o) and table 6, we get the following tables (22 and follows tables 22), (and figures 116-123).

We take from 7(p) and table 6, we get the following tables (23 and follows tables 23), (and figures 124-131).

	((BP)1 (C)1 with (MHR)1 (BS)1) with (OP)1 (Age)	((BP)1 (C)1 with (MHR)1 (BS)1) with (OP)2 (Age)	((BP)1 (C)1 with (MHR)1 (BS)1) with (OP)3 (Age)	((BP)1 (C)1 with (MHR)1 (BS)1) with (OP)4 (Age)	((BP)1 (C)1 with (MHR)1 (BS)2 with (OP)1 (Age)	((BP)1 (C)1 with (MHR)1 (BS)2) with (OP)2 (Age)	((BP)1 (C)1 with (MHR)1 (BS)2) with (OP)3 (Age)	((BP)1 (C)1 with (MHR)1 (BS)2) with (OP)4 (Age)
Patient one	0.75	0.75	0.80	1.00	0.84	0.84	0.84	1.00
Patient Two	0.90	0.90	0.94	0.97	0.97	0.97	0.97	0.97
Patient Three	0.75	0.75	0.85	0.90	0.78	0.78	0.85	0.90
Patient Four	0.85	0.85	0.85	1.00	0.85	0.85	0.85	1.00
Patient Five	0.75	0.75	0.80	1.00	0.80	0.80	0.80	1.00
Patient Six	0.82	0.82	0.82	1.00	0.95	0.95	0.95	1.00
Patient seven	0.82	0.82	0.82	0.92	0.92	0.92	0.92	0.92
Patient Eight	0.88	0.88	0.92	1.00	0.88	0.88	0.92	1.00
Patient Nine	0.75	0.75	0.80	1.00	0.75	0.75	0.80	1.00

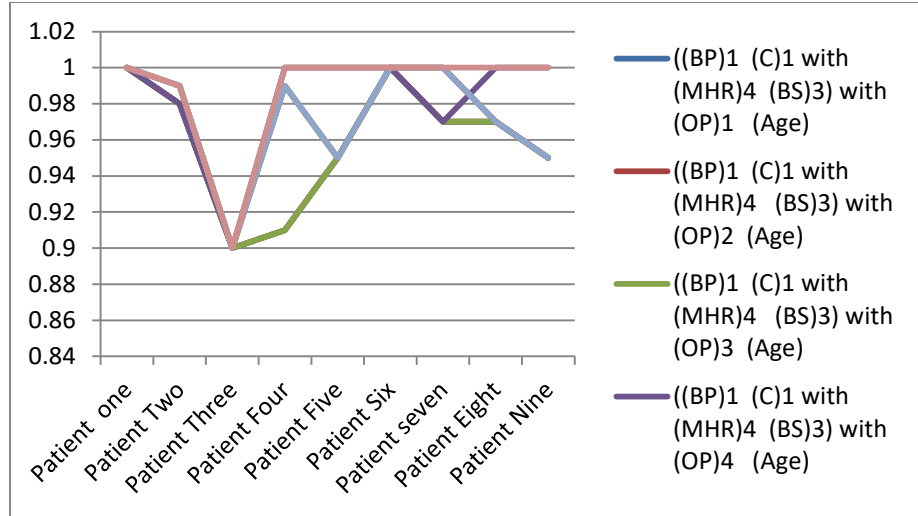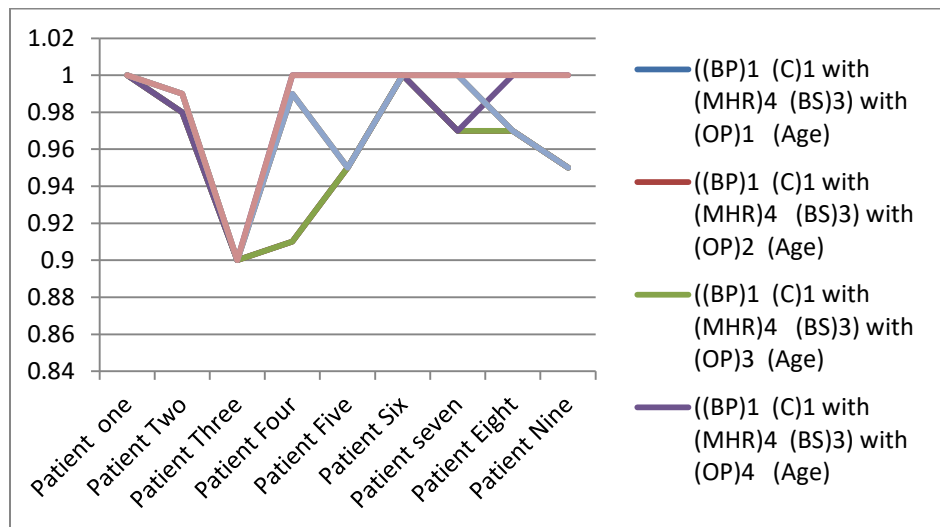Table 8: (The resultant ((BP)1 (C)1 with ((MHR)1 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4
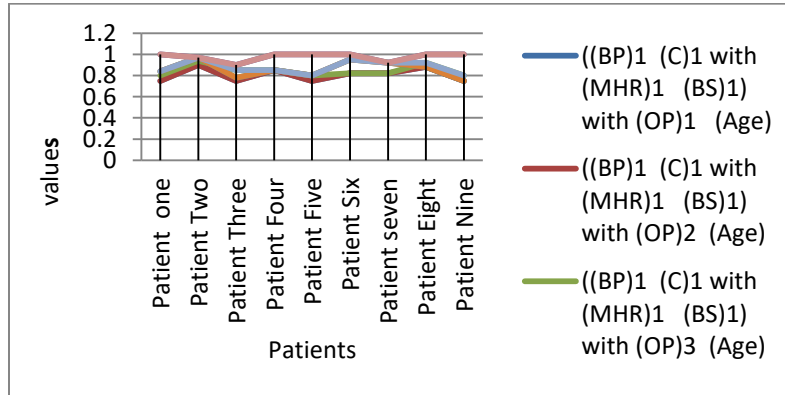
Figure 4 : (The resultant ((BP)1 (C)1 with ((MHR)1 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	((BP)1 (C)1 with (MHR)1 (BS)3) with (OP)1 (Age)	((BP)1 (C)1 with (MHR)1 (BS)3) with (OP)2 (Age)	((BP)1 (C)1 with (MHR)1 (BS)3) with (OP)3 (Age)	((BP)1 (C)1 with (MHR)1 (BS)3) with (OP)4 (Age)	((BP)1 (C)1 with (MHR)1 (BS)4 with (OP)1 (Age)	((BP)1 (C)1 with (MHR)1 (BS)4) with (OP)2 (Age)	((BP)1 (C)1 with (MHR)1 (BS)4) with (OP)3 (Age)	((BP)1 (C)1 with (MHR)1 (BS)4) with (OP)4 (Age)
Patient one	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.82	0.82	0.85	0.90	0.90	0.90	0.90	0.90
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.90	0.90	0.92	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.86	0.86	0.86	1.00	0.90	0.90	0.90	1.00

Follow table 8: (The resultant ((BP)1 (C)1 with ((MHR)1 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4
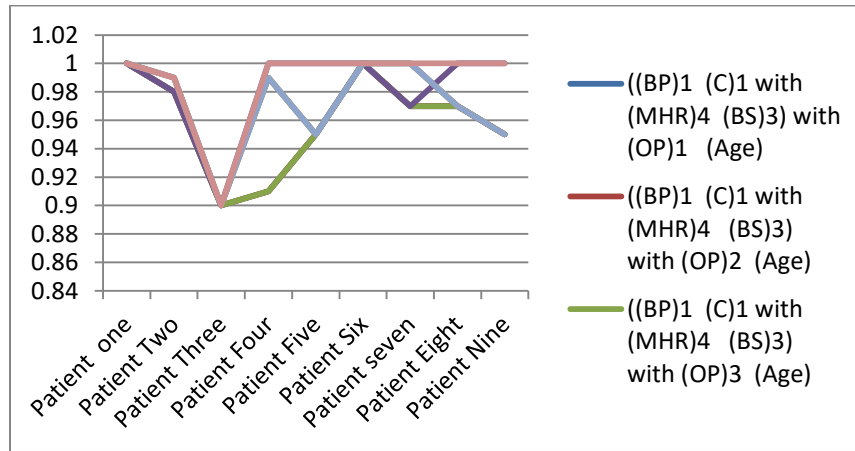
Figure 5: (The resultant ((BP)1 (C)1 with ((MHR)1   (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

	((BP)1 (C)1 with (MHR)2 (BS)1) with (OP)1 (Age)	((BP)1 (C)1 with (MHR)2 (BS)1) with (OP)2 (Age)	((BP)1 (C)1 with (MHR)2 (BS)1) with (OP)3 (Age)	((BP)1 (C)1 with (MHR)2 (BS)1) with (OP)4 (Age)	((BP)1 (C)1 with (MHR)2 (BS)2 with (OP)1 (Age)	((BP)1 (C)1 with (MHR)2 (BS)2) with (OP)2 (Age)	((BP)1 (C)1 with (MHR)2 (BS)2) with (OP)3 (Age)	((BP)1 (C)1 with (MHR)2 (BS)2) with (OP)4 (Age)
Patient one	0.81	0.81	0.81	1.00	0.84	0.84	0.84	1.00
Patient Two	0.90	0.90	0.90	0.90	0.97	0.97	0.97	0.97
Patient Three	0.80	0.80	0.85	0.90	0.80	0.80	0.85	0.90
Patient Four	0.85	0.85	0.85	1.00	0.85	0.85	0.85	1.00
Patient Five	0.75	0.75	0.80	1.00	0.80	0.80	0.80	1.00
Patient Six	0.82	0.82	0.82	1.00	0.95	0.95	0.95	1.00
Patient seven	0.82	0.82	0.82	0.92	0.92	0.92	0.92	0.92
Patient Eight	0.88	0.88	0.92	1.00	0.88	0.88	0.92	1.00
Patient Nine	0.81	0.81	0.81	1.00	0.81	0.81	0.81	1.00

Follow table 8: (The resultant ((BP)1 (C)1 with ((MHR)2   (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4
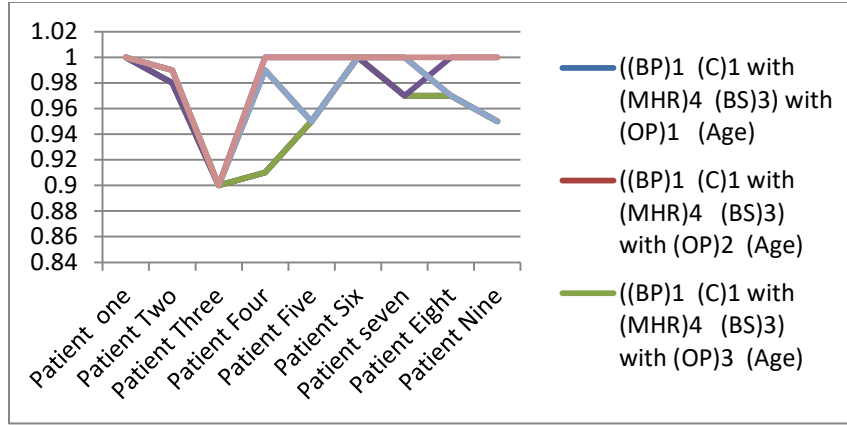

Figure 6: (The resultant ((BP)1 (C)1 with ((MHR)2   (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

	((BP)1 (C)1 with (MHR)2 (BS)3) with (OP)1 (Age)	((BP)1 (C)1 with (MHR)2 (BS)3) with (OP)2 (Age)	((BP)1 (C)1 with (MHR)2 (BS)3) with (OP)3 (Age)	((BP)1 (C)1 with (MHR)2 (BS)3) with (OP)4 (Age)	((BP)1 (C)1 with (MHR)2 (BS)4) with (OP)1 (Age)	((BP)1 (C)1 with (MHR)2 (BS)4) with (OP)2 (Age)	((BP)1 (C)1 with (MHR)2 (BS)4) with (OP)3 (Age)	((BP)1 (C)1 with (MHR)2 (BS)4) with (OP)4 (Age)

Patient one	0.81	0.81	0.81	1.00	0.84	0.84	0.84	1.00
Patient Two	0.90	0.90	0.94	0.97	0.97	0.97	0.97	0.97
Patient Three	0.80	0.80	0.85	0.90	0.80	0.80	0.85	0.90
Patient Four	0.85	0.85	0.85	1.00	0.85	0.85	0.85	1.00
Patient Five	0.75	0.75	0.80	1.00	0.80	0.80	0.80	1.00
Patient Six	0.82	0.82	0.82	1.00	0.95	0.95	0.95	1.00
Patient seven	0.82	0.82	0.82	0.92	0.92	0.92	0.92	0.92
Patient Eight	0.88	0.88	0.92	1.00	0.88	0.88	0.92	1.00
Patient Nine	0.81	0.81	0.81	1.00	1.00	1.00	1.00	1.00

Follow table 8: (The resultant ((BP)1 (C)1 with ((MHR)2 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4
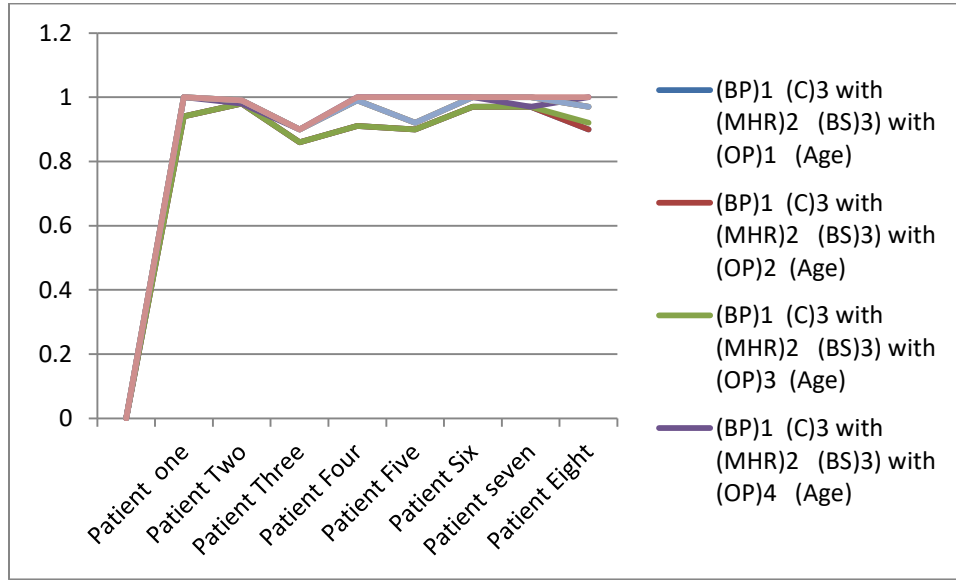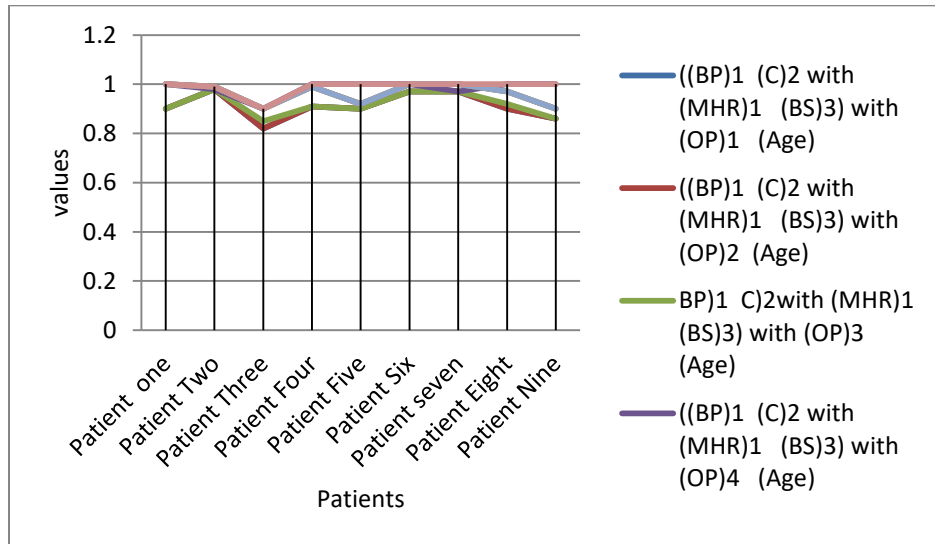

Figure 7: (The resultant ((BP)1 (C)1 with ((MHR)2 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	((BP)1 (C)1 with (MHR)3 (BS)1) with (OP)1 (Age)	((BP)1 (C)1 with (MHR)3 (BS)1) with (OP)2 (Age)	((BP)1 (C)1 with (MHR)3 (BS)1) with (OP)3 (Age)	((BP)1 (C)1 with (MHR)3 (BS)1) with (OP)4 (Age)	((BP)1 (C)1 with (MHR)3 (BS)2 with (OP)1 (Age)	((BP)1 (C)1 with (MHR)3 (BS)2) with (OP)2 (Age)	((BP)1 (C)1 with (MHR)3 (BS)2) with (OP)3 (Age)	((BP)1 (C)1 with (MHR)3 (BS)2) with (OP)4 (Age)
Patient one	0.86	0.86	0.86	1.00	0.86	0.86	0.86	1.00
Patient Two	0.90	0.90	0.94	0.97	0.97	0.97	0.97	0.97
Patient Three	0.86	0.86	0.86	0.90	0.86	0.86	0.86	0.90
Patient Four	0.85	0.85	0.85	1.00	0.85	0.85	0.85	1.00
Patient Five	0.77	0.77	0.80	1.00	0.80	0.80	0.80	1.00
Patient Six	0.86	0.86	0.86	1.00	0.95	0.95	0.95	1.00
Patient seven	0.90	0.90	0.90	0.92	0.92	0.92	0.92	0.92
Patient Eight	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Nine	0.90	0.90	0.90	1.00	0.90	0.90	0.90	1.00

Follow table 8: (The resultant ((BP)1 (C)1 with ((MHR)3 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4
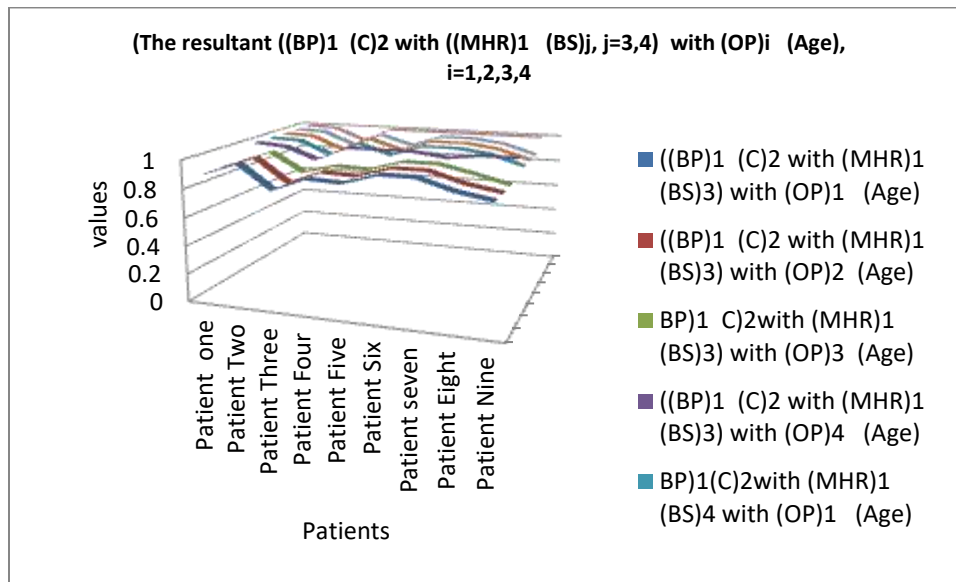
Figure 8: (The resultant ((BP)1 (C)1 with ((MHR)3 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	((BP)1 (C)1 with (MHR)3 (BS)3) with (OP)1 (Age)	((BP)1 (C)1 with (MHR)3 (BS)3) with (OP)2 (Age)	((BP)1 (C)1 with (MHR)3 (BS)3) with (OP)3 (Age)	((BP)1 (C)1 with (MHR)3 (BS)3) with (OP)4 (Age)	((BP)1 (C)1 with (MHR)3 (BS)4 with (OP)1 (Age)	((BP)1 (C)1 with (MHR)3 (BS)4) with (OP)2 (Age)	((BP)1 (C)1 with (MHR)3 (BS)4) with (OP)3 (Age)	((BP)1 (C)1 with (MHR)3 (BS)4) with (OP)4 (Age)
Patient one	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.86	0.86	0.86	0.90	0.90	0.90	0.90	0.90
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient Eight	0.95	0.95	0.95	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00

Follow table 8: (The resultant ((BP)1 (C)1 with ((MHR)3 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4
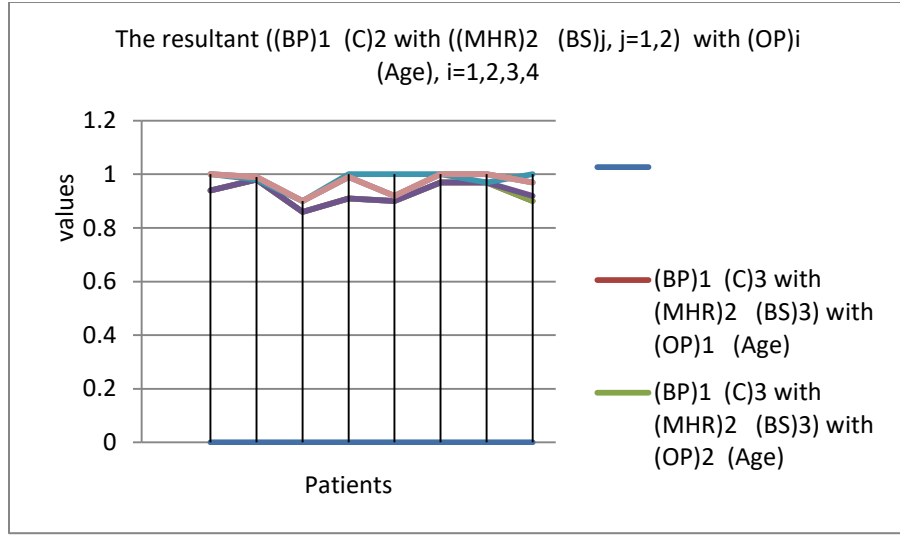

Figure 9: (The resultant ((BP)1 (C)1 with ((MHR)3 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	((BP)1 (C)1 with (MHR)4 (BS)1) with (OP)1 (Age)	((BP)1 (C)1 with (MHR)4 (BS)1) with (OP)2 (Age)	((BP)1 (C)1 with (MHR)4 (BS)1) with (OP)3 (Age)	((BP)1 (C)1 with (MHR)4 (BS)1) with (OP)4 (Age)	((BP)1 (C)1 with (MHR)4 (BS)2 with (OP)1 (Age)	((BP)1 (C)1 with (MHR)4 (BS)2) with (OP)2 (Age)	((BP)1 (C)1 with (MHR)4 (BS)2) with (OP)3 (Age)	((BP)1 (C)1 with (MHR)4 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.97	0.97	0.97	0.97
Patient Three	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Patient Four	0.85	0.85	0.85	1.00	0.85	0.85	0.85	1.00
Patient Five	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00

Follow table 8: (The resultant ((BP)1 (C)1 with ((MHR)4 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4
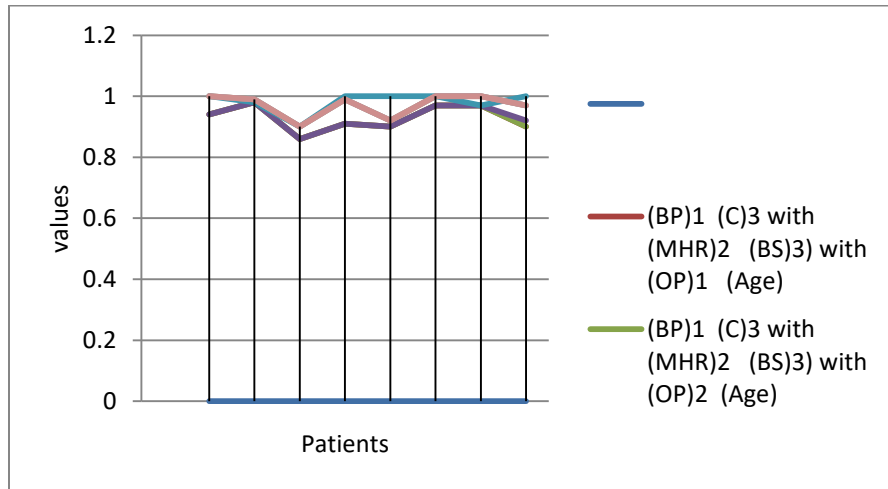

Figure 10: (The resultant ((BP)1 (C)1 with ((MHR)4 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	((BP)1 (C)1 with (MHR)4 (BS)3) with (OP)1 (Age)	((BP)1 (C)1 with (MHR)4 (BS)3) with (OP)2 (Age)	((BP)1 (C)1 with (MHR)4 (BS)3) with (OP)3 (Age)	((BP)1 (C)1 with (MHR)4 (BS)3) with (OP)4 (Age)	((BP)1 (C)1 with (MHR)4 (BS)4) with (OP)1 (Age)	((BP)1 (C)1 with (MHR)4 (BS)4) with (OP)2 (Age)	((BP)1 (C)1 with (MHR)4 (BS)4) with (OP)3 (Age)	((BP)1 (C)1 with (MHR)4 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00

Follow table 8: (The resultant ((BP)1 (C)1 with ((MHR)4 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4
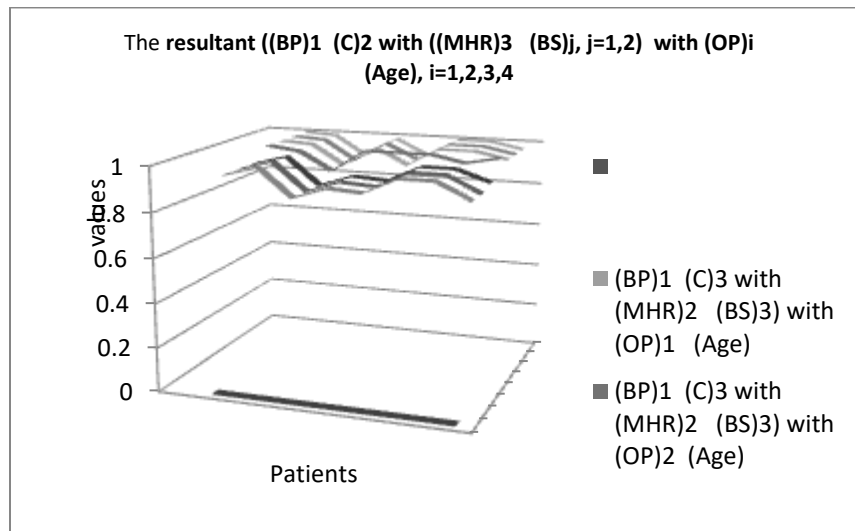
Figure11 : (The resultant ((BP)1 (C)1 with ((MHR)4   (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

	((BP)1 (C)2 with (MHR)1 (BS)1) with (OP)1 (Age)	((BP)1 (C)2 with (MHR)1 (BS)1) with (OP)2 (Age)	((BP)1 (C)2 with (MHR)1 (BS)1) with (OP)3 (Age)	((BP)1 (C)2 with (MHR)1 (BS)1) with (OP)4 (Age)	((BP)1 (C)2 with (MHR)1 (BS)2 with (OP)1 (Age)	((BP)1 (C)2 with (MHR)1 (BS)2) with (OP)2 (Age)	((BP)1 (C)2 with (MHR)1 (BS)2) with (OP)3 (Age)	((BP)1 (C)2 with (MHR)1 (BS)2) with (OP)4 (Age)
Patient one	0.75	0.75	0.80	1.00	0.84	0.84	0.84	1.00
Patient Two	0.90	0.90	0.94	0.97	0.97	0.97	0.97	0.97
Patient Three	0.75	0.75	0.85	0.90	0.78	0.78	0.85	0.90
Patient Four	0.85	0.85	0.85	1.00	0.85	0.85	0.85	1.00
Patient Five	0.75	0.75	0.80	1.00	0.80	0.80	0.80	1.00
Patient Six	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient seven	0.82	0.82	0.82	0.92	0.92	0.92	0.92	0.92
Patient Eight	0.88	0.88	0.92	1.00	0.88	0.88	0.92	1.00
Patient Nine	0.75	0.75	0.80	1.00	0.75	0.75	0.80	1.00

Table 9: (The resultant ((BP)1 (C)2 with ((MHR)1   (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4
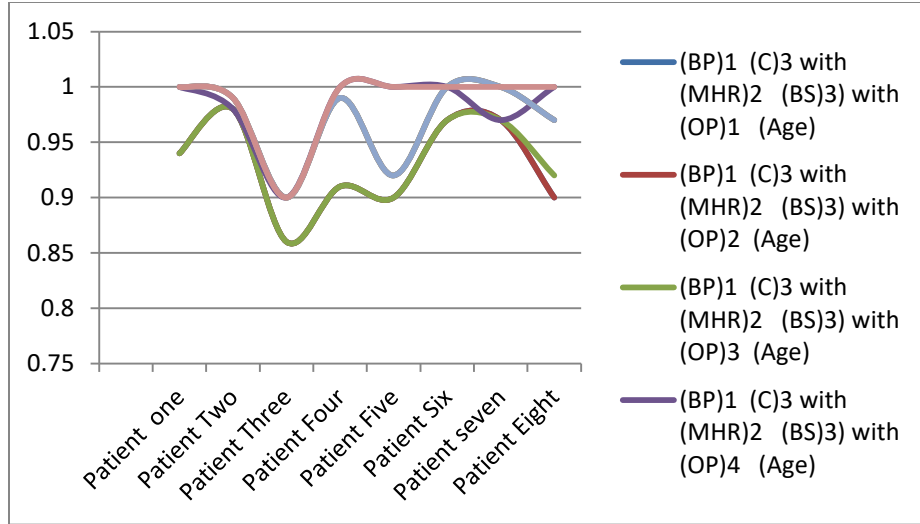

Figure 12: (The resultant ((BP)1 (C)2 with ((MHR)1   (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

	((BP)1 (C)2 with (MHR)1 (BS)3) with (OP)1 (Age)	((BP)1 (C)2 with (MHR)1 (BS)3) with (OP)2 (Age)	BP)1 C)2with (MHR)1 (BS)3) with (OP)3 (Age)	((BP)1 (C)2 with (MHR)1 (BS)3) with (OP)4 (Age)	BP)1(C)2with (MHR)1 (BS)4 with (OP)1 (Age)	((BP)1 (C)2 with (MHR)1 (BS)4) with (OP)2 (Age)	((BP)1(C)2 with (MHR)1 (BS)4) with (OP)3 (Age)	((BP)1(C)2 with (MHR)1 (BS)4) with (OP)4 (Age)
Patient one	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.82	0.82	0.85	0.90	0.90	0.90	0.90	0.90
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.90	0.90	0.92	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.86	0.86	0.86	1.00	0.90	0.90	0.90	1.00

Follow table 9: (The resultant ((BP)1 (C)2 with ((MHR)1 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4
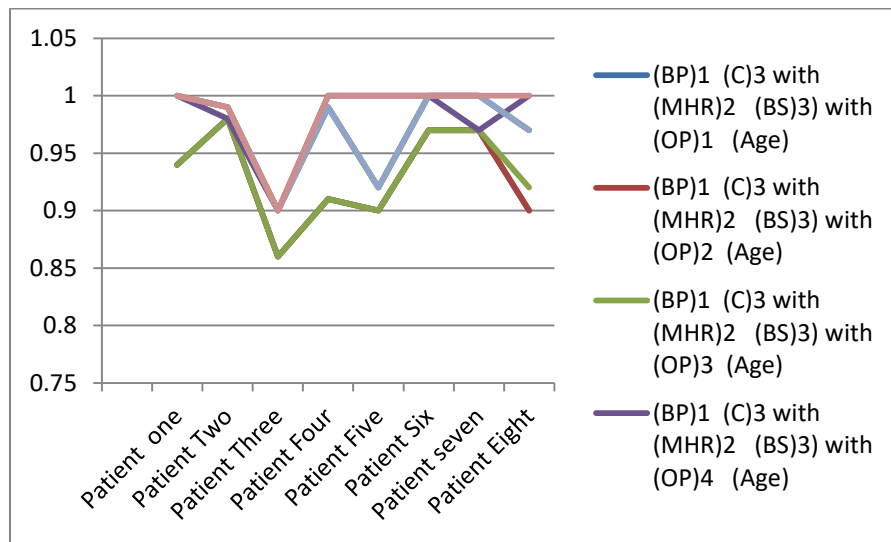

Figure 13: (The resultant ((BP)1 (C)2 with ((MHR)1 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	((BP)1(C)2 with (MHR)2 (BS)1) with (OP)1 (Age)	((BP)1(C)2 with (MHR)2 (BS)1) with (OP)2 (Age)	((BP)1(C)2 with (MHR)2 (BS)1) with (OP)3 (Age)	((BP)1(C)2 with (MHR)2 (BS)1) with (OP)4 (Age)	((BP)1 (C)2 with (MHR)2 (BS)2 with (OP)1 (Age)	((BP)1(C)2 with (MHR)2 (BS)2) with (OP)2 (Age)	((BP)1(C)2 with (MHR)2 (BS)2) with (OP)3 (Age)	((BP)1(C)2 with (MHR)2 (BS)2) with (OP)4 (Age)
Patient one	0.81	0.81	0.81	1.00	0.84	0.84	0.84	1.00
Patient Two	0.90	0.90	0.94	0.97	0.97	0.97	0.97	0.97
Patient Three	0.80	0.80	0.85	0.90	0.80	0.80	0.85	0.90
Patient Four	0.85	0.85	0.85	1.00	0.85	0.85	0.85	1.00
Patient Five	0.75	0.75	0.80	1.00	0.80	0.80	0.80	1.00
Patient Six	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient seven	0.82	0.82	0.82	0.92	0.92	0.92	0.92	0.92
Patient Eight	0.88	0.88	0.92	1.00	0.88	0.88	0.92	1.00
Patient Nine	0.81	0.81	0.81	1.00	0.81	0.81	0.81	1.00

Follow table 9: (The resultant ((BP)1 (C)2 with ((MHR)2 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4
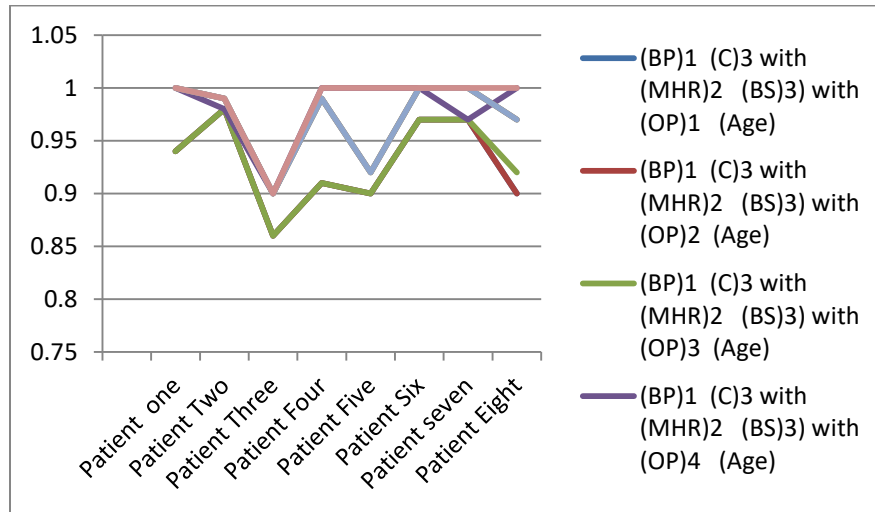
Figure 14: (The resultant ((BP)1 (C)2 with ((MHR)2   (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

	((BP)1(C)2 with (MHR)2 (BS)3) with (OP)1 (Age)	((BP)1(C)2 with (MHR)2 (BS)3) with (OP)2 (Age)	((BP)1(C)2 with (MHR)2 (BS)3) with (OP)3 (Age)	((BP)1(C)2 with (MHR)2 (BS)3) with (OP)4 (Age)	((BP)1(C)2 with (MHR)2 (BS)4) with (OP)1 (Age)	((BP)1(C)2 with (MHR)2 (BS)4) with (OP)2 (Age)	((BP)1(C)2 with (MHR)2 (BS)4) with (OP)3 (Age)	((BP)1(C)2 with (MHR)2 (BS)4) with (OP)4 (Age)
Patient one	0.94	0.94	0.94	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.82	0.82	0.85	0.90	0.90	0.90	0.90	0.90
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.90	0.90	0.92	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.86	0.86	0.86	1.00	0.90	0.90	0.90	1.00

Follow table 9: (The resultant ((BP)1 (C)2 with ((MHR)2   (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

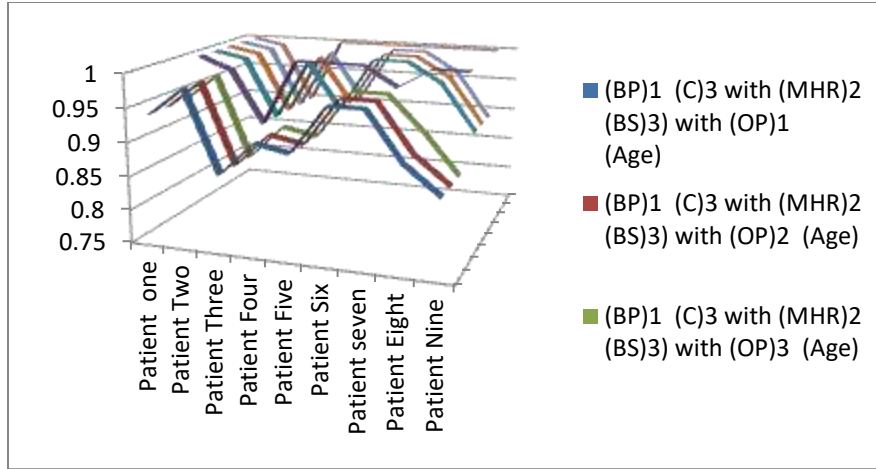Figure 15: (The resultant ((BP)1 (C)2 with ((MHR)2   (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

	((BP)1(C)2 with (MHR)3 (BS)1) with (OP)1 (Age)	((BP)1(C)2 with (MHR)3 (BS)1) with (OP)2 (Age)	((BP)1(C)2 with (MHR)3 (BS)1) with (OP)3 (Age)	((BP)1(C)2 with (MHR)3 (BS)1) with (OP)4 (Age)	((BP)1(C)2 with (MHR)3 (BS)2) with (OP)1 (Age)	((BP)1(C)2 with (MHR)3 (BS)2) with (OP)2 (Age)	((BP)1(C)2 with (MHR)3 (BS)2) with (OP)3 (Age)	((BP)1(C)2 with (MHR)3 (BS)2) with (OP)4 (Age)
Patient one	0.86	0.86	0.86	1.00	0.86	0.86	0.86	1.00
Patient Two	0.90	0.90	0.94	0.97	0.97	0.97	0.97	0.97
Patient Three	0.86	0.86	0.86	0.90	0.86	0.86	0.86	0.90
Patient Four	0.85	0.85	0.85	1.00	0.85	0.85	0.85	1.00
Patient Five	0.77	0.77	0.80	1.00	0.80	0.80	0.80	1.00
Patient Six	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient seven	0.90	0.90	0.90	0.92	0.92	0.92	0.92	0.92
Patient Eight	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Nine	0.90	0.90	0.90	1.00	0.90	0.90	0.90	1.00

Follow table 9: (The resultant ((BP)1 (C)2 with ((MHR)3 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

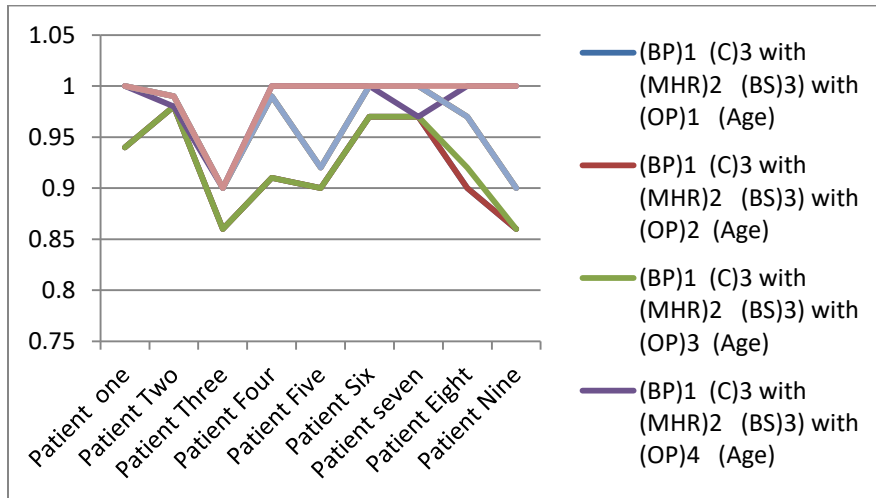

Figure 16: (The resultant ((BP)1 (C)2 with ((MHR)3 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	((BP)1(C)2 with (MHR)3 (BS)3) with (OP)1 (Age)	((BP)1(C)2 with (MHR)3 (BS)3) with (OP)2 (Age)	((BP)1(C)2 with (MHR)3 (BS)3) with (OP)3 (Age)	((BP)1(C)2 with (MHR)3 (BS)3) with (OP)4 (Age)	((BP)1(C)2 with (MHR)3 (BS)4 with (OP)1 (Age)	((BP)1(C)2 with (MHR)3 (BS)4) with (OP)2 (Age)	((BP)1(C)2 with (MHR)3 (BS)4) with (OP)3 (Age)	((BP)1(C)2 with (MHR)3 (BS)4) with (OP)4 (Age)
Patient one	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.86	0.86	0.86	0.90	0.90	0.90	0.90	0.90
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.95	0.95	0.95	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.90	0.90	0.90	1.00	0.90	0.90	0.90	1.00

Follow table 9: (The resultant ((BP)1 (C)2 with ((MHR)3 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4
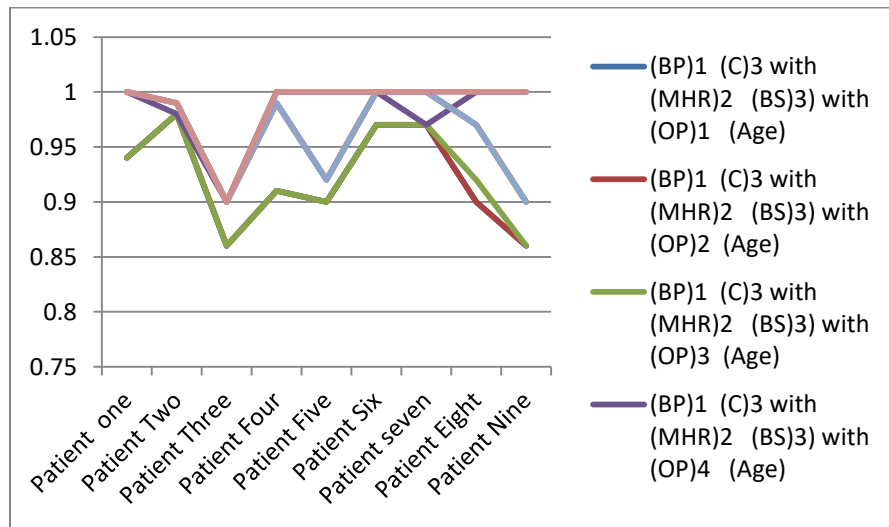
Figure 17: (The resultant ((BP)1 (C)2 with ((MHR)3   (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

	((BP)1(C)2 with (MHR)4 (BS)1) with (OP)1 (Age)	((BP)1(C)2 with (MHR)4 (BS)1) with (OP)2 (Age)	((BP)1(C)2 with (MHR)4 (BS)1) with (OP)3 (Age)	((BP)1(C)2 with (MHR)4 (BS)1) with (OP)4 (Age)	((BP)1(C)2 with (MHR)4 (BS)2 with (OP)1 (Age)	((BP)1(C)2 with (MHR)4 (BS)2) with (OP)2 (Age)	((BP)1(C)2 with (MHR)4 (BS)2) with (OP)3 (Age)	((BP)1(C)2 with (MHR)4 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.97	0.97	0.97	0.97
Patient Three	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Patient Four	0.85	0.85	0.85	1.00	0.85	0.85	0.85	1.00
Patient Five	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00

Follow table 9: (The resultant ((BP)1 (C)2 with ((MHR)4   (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

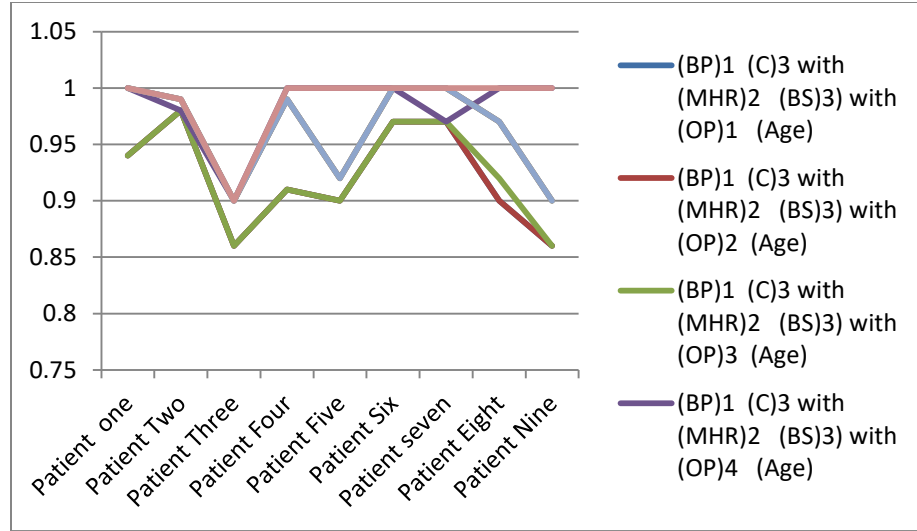Figure 18: (The resultant ((BP)1 (C)2 with ((MHR)4   (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

	((BP)1(C)2 with (MHR)4 (BS)3) with (OP)1 (Age)	((BP)1(C)2 with (MHR)4 (BS)3) with (OP)2 (Age)	((BP)1(C)2 with (MHR)4 (BS)3) with (OP)3 (Age)	((BP)1(C)2 with (MHR)4 (BS)3) with (OP)4 (Age)	((BP)1(C)2 with (MHR)4 (BS)4) with (OP)1 (Age)	((BP)1(C)2 with (MHR)4 (BS)4) with (OP)2 (Age)	((BP)1(C)2 with (MHR)4 (BS)4) with (OP)3 (Age)	((BP)1(C)2 with (MHR)4 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00

Follow table 9: (The resultant ((BP)1 (C)2 with ((MHR)4 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4
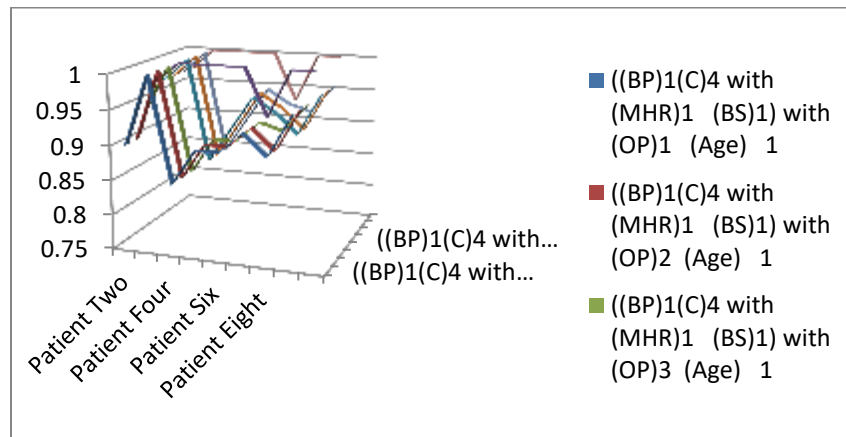

Figure 19: (The resultant ((BP)1 (C)2 with ((MHR)4 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	(BP)1 (C)3 with (MHR)1 (BS)1) with (OP)1 (Age)	(BP)1 (C)3 with (MHR)1 (BS)1) with (OP)2 (Age)	(BP)1 (C)3 with (MHR)1 (BS)1) with (OP)3 (Age)	(BP)1 (C)3 with (MHR)1 (BS)1) with (OP)4 (Age)	(BP)1 (C)3 with (MHR)1 (BS)2 with (OP)1 (Age)	(BP)1 (C)3 with (MHR)1 (BS)2) with (OP)2 (Age)	(BP)1 (C)3 with (MHR)1 (BS)2) with (OP)3 (Age)	(BP)1 (C)3 with (MHR)1 (BS)2) with (OP)4 (Age)
Patient one	0.86	0.86	0.86	1.00	0.86	0.86	0.86	1.00
Patient Two	0.90	0.90	0.94	0.97	0.97	0.97	0.97	0.97
Patient Three	0.86	0.86	0.86	0.90	0.86	0.86	0.86	0.90
Patient Four	0.85	0.85	0.85	1.00	0.85	0.85	0.85	1.00
Patient Five	0.83	0.83	0.83	1.00	0.83	0.83	0.83	1.00
Patient Six	0.86	0.86	0.86	1.00	0.95	0.95	0.95	1.00
Patient seven	0.86	0.86	0.86	0.92	0.92	0.92	0.92	0.92
Patient Eight	0.88	0.88	0.92	1.00	0.88	0.88	0.92	1.00
Patient Nine	0.86	0.86	0.86	1.00	0.86	0.86	0.86	1.00

Table 10: (The resultant ((BP)1 (C)3 with ((MHR)1 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4
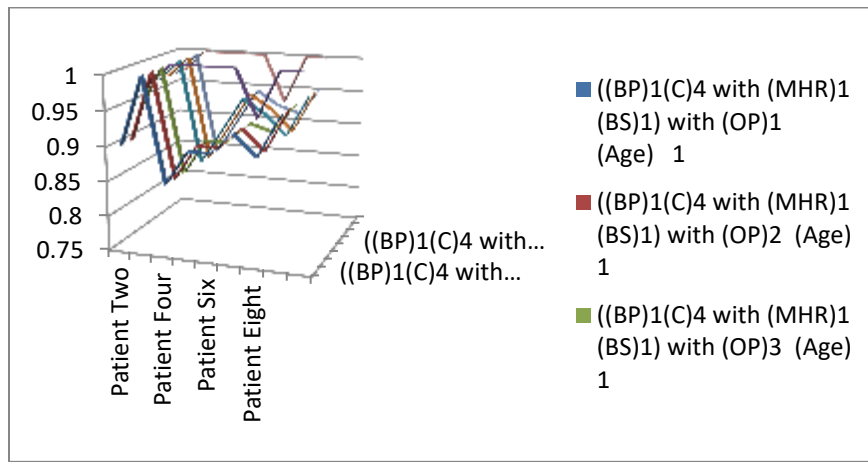
Figure 20: (The resultant ((BP)1 (C)3 with ((MHR)1 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

	(BP)1 (C)3 with (MHR)1 (BS)3) with (OP)1 (Age)	(BP)1 (C)3 with (MHR)1 (BS)3) with (OP)2 (Age)	(BP)1 (C)3 with (MHR)1 (BS)3) with (OP)3 (Age)	(BP)1 (C)3 with (MHR)1 (BS)3) with (OP)4 (Age)	(BP)1 (C)3 with (MHR)1 (BS)4 with (OP)1 (Age)	(BP)1 (C)3 with (MHR)1 (BS)4) with (OP)2 (Age)	(BP)1 (C)3 with (MHR)1 (BS)4) with (OP)3 (Age)	(BP)1 (C)3 with (MHR)1 (BS)4) with (OP)4 (Age)
Patient one	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.86	0.86	0.86	0.90	0.90	0.90	0.90	0.90
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.90	0.90	0.92	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.86	0.86	0.86	1.00	0.90	0.90	0.90	1.00

Follow table 10: (The resultant ((BP)1 (C)3 with ((MHR)1 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4
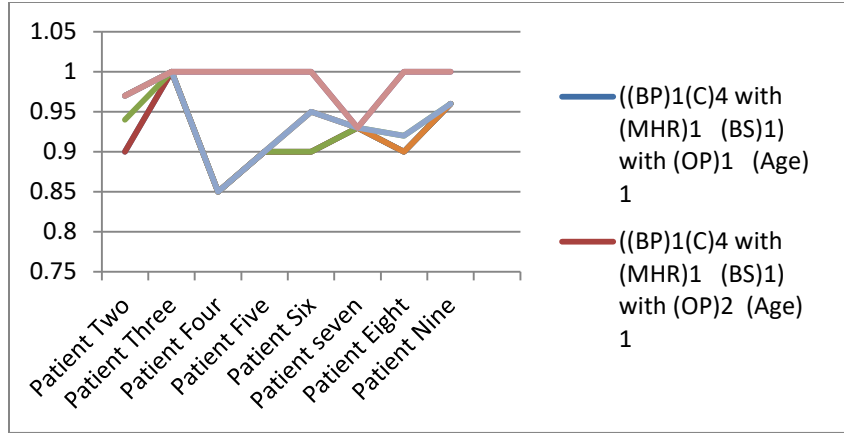

Figure21 : (The resultant ((BP)1 (C)3 with ((MHR)1 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

	(BP)1 (C)3 with (MHR)2 (BS)1) with (OP)1 (Age)	(BP)1 (C)3 with (MHR)2 (BS)1) with (OP)2 (Age)	(BP)1 (C)3 with (MHR)2 (BS)1) with (OP)3 (Age)	(BP)1 (C)3 with (MHR)2 (BS)1) with (OP)4 (Age)	(BP)1 (C)3 with (MHR)2 (BS)2 with (OP)1 (Age)	(BP)1 (C)3 with (MHR)2 (BS)2) with (OP)2 (Age)	(BP)1 (C)3 with (MHR)2 (BS)2) with (OP)3 (Age)	(BP)1 (C)3 with (MHR)2 (BS)2) with (OP)4 (Age)
Patient one	0.86	0.86	0.86	1.00	0.86	0.86	0.86	1.00
Patient Two	0.90	0.90	0.94	0.97	0.97	0.97	0.97	0.97
Patient Three	0.86	0.86	0.86	0.90	0.86	0.86	0.86	0.90
Patient Four	0.85	0.85	0.85	1.00	0.85	0.85	0.85	1.00
Patient Five	0.83	0.83	0.83	1.00	0.83	0.83	0.83	1.00
Patient Six	0.86	0.86	0.86	1.00	0.95	0.95	0.95	1.00
Patient seven	0.86	0.86	0.86	0.92	0.92	0.92	0.92	0.92
Patient Eight	0.88	0.88	0.92	1.00	0.88	0.88	0.92	1.00
Patient Nine	0.81	0.81	0.81	1.00	0.81	0.81	0.81	1.00

Follow table 10: (The resultant ((BP)1 (C)3 with ((MHR)2 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

Figure22: (The resultant ((BP)1 (C)3 with ((MHR)2 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	(BP)1 (C)3 with (MHR)2 (BS)3) with (OP)1 (Age)	(BP)1 (C)3 with (MHR)2 (BS)3) with (OP)2 (Age)	(BP)1 (C)3 with (MHR)2 (BS)3) with (OP)3 (Age)	(BP)1 (C)3 with (MHR)2 (BS)3) with (OP)4 (Age)	(BP)1 (C)3 with (MHR)2 (BS)4) with (OP)1 (Age)	(BP)1 (C)3 with (MHR)2 (BS)4) with (OP)2 (Age)	(BP)1 (C)3 with (MHR)2 (BS)4) with (OP)3 (Age)	(BP)1 (C)3 with (MHR)2 (BS)4) with (OP)4 (Age)
Patient one	0.94	0.94	0.94	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.86	0.86	0.86	0.90	0.90	0.90	0.90	0.90
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.90	0.90	0.92	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.86	0.86	0.86	1.00	0.90	0.90	0.90	1.00

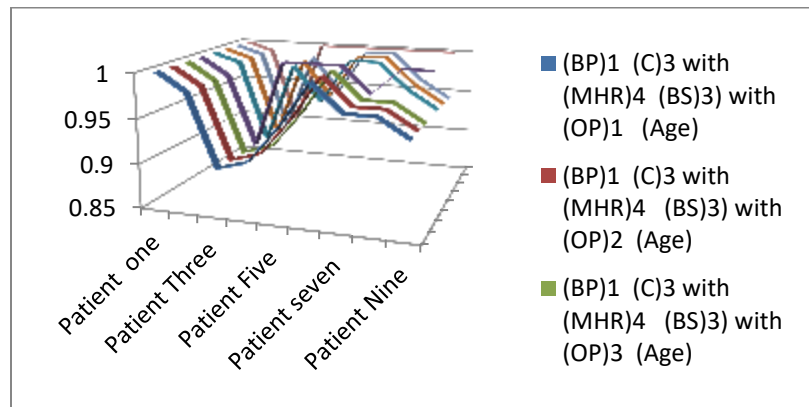Follow table 10: (The resultant ((BP)1 (C)3 with ((MHR)2 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

Figure 23: (The resultant ((BP)1 (C)3 with ((MHR)2 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	(BP)1 (C)3 with (MHR)3 (BS)1) with (OP)1 (Age)	(BP)1 (C)3 (MHR)3 (BS)1) with (OP)2 (Age)	(BP)1 (C)3 with (MHR)3 (BS)1) with (OP)3 (Age)	(BP)1 (C)3 with (MHR)3 (BS)1) with (OP)4 (Age)	(BP)1 (C)3 with (MHR)3 (BS)2 with (OP)1 (Age)	(BP)1 (C)3 with (MHR)3 (BS)2) with (OP)2 (Age)	(BP)1 (C)3 with (MHR)3 (BS)2) with (OP)3 (Age)	(BP)1 (C)3 with (MHR)3 (BS)2) with (OP)4 (Age)
Patient one	0.86	0.86	0.86	1.00	0.86	0.86	0.86	1.00
Patient Two	0.90	0.90	0.94	0.97	0.97	0.97	0.97	0.97
Patient Three	0.86	0.86	0.86	0.90	0.86	0.86	0.86	0.90
Patient Four	0.85	0.85	0.85	1.00	0.85	0.85	0.85	1.00
Patient Five	0.83	0.83	0.83	1.00	0.83	0.83	0.83	1.00
Patient Six	0.86	0.86	0.86	1.00	0.95	0.95	0.95	1.00
Patient seven	0.90	0.90	0.90	0.92	0.92	0.92	0.92	0.92
Patient Eight	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Nine	0.90	0.90	0.90	1.00	0.90	0.90	0.90	1.00

Follow table 10: (The resultant ((BP)1 (C)3 with ((MHR)3 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4
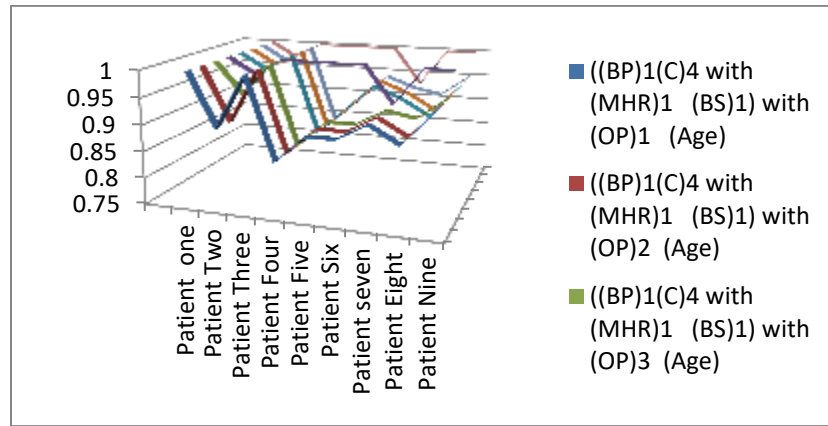

Figure 24: (The resultant ((BP)1 (C)3 with ((MHR)3 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	(BP)1 (C)3 with (MHR)3 (BS)3) with (OP)1 (Age)	(BP)1 (C)3 with (MHR)3 (BS)3) with (OP)2 (Age)	(BP)1 (C)3 with (MHR)3 (BS)3) with (OP)3 (Age)	(BP)1 (C)3 with (MHR)3 (BS)3) with (OP)4 (Age)	(BP)1 (C)3 with (MHR)3 (BS)4 with (OP)1 (Age)	(BP)1 (C)3 with (MHR)3 (BS)4) with (OP)2 (Age)	(BP)1 (C)3 with (MHR)3 (BS)4) with (OP)3 (Age)	(BP)1 (C)3 with (MHR)3 (BS)4) with (OP)4 (Age)
Patient one	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.86	0.86	0.86	0.90	0.90	0.90	0.90	0.90
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.95	0.95	0.95	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.90	0.90	0.90	1.00	0.90	0.90	0.90	1.00

Follow table 10: (The resultant ((BP)1 (C)3 with ((MHR)3 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4
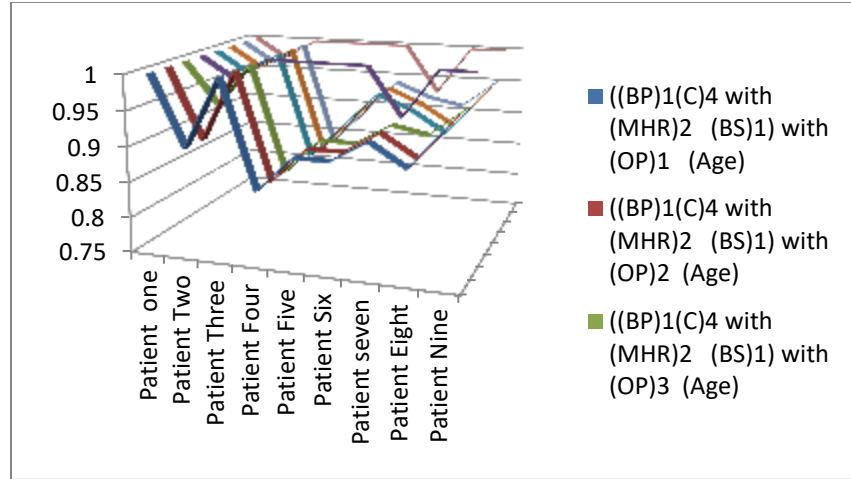

Figure25: (The resultant ((BP)1 (C)3 with ((MHR)3 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	(BP)1 (C)3 with (MHR)4 (BS)1) with (OP)1 (Age)	(BP)1 (C)3 with (MHR)4 (BS)1) with (OP)2 (Age)	(BP)1 (C)3 with (MHR)4 (BS)1) with (OP)3 (Age)	(BP)1 (C)3 with (MHR)4 (BS)1) with (OP)4 (Age)	(BP)1 (C)3 with (MHR)4 (BS)2 with (OP)1 (Age)	(BP)1 (C)3 with (MHR)4 (BS)2) with (OP)2 (Age)	(BP)1 (C)3 with (MHR)4 (BS)2) with (OP)3 (Age)	(BP)1 (C)3 with (MHR)4 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.97	0.97	0.97	0.97
Patient Three	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Patient Four	0.85	0.85	0.85	1.00	0.85	0.85	0.85	1.00
Patient Five	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00

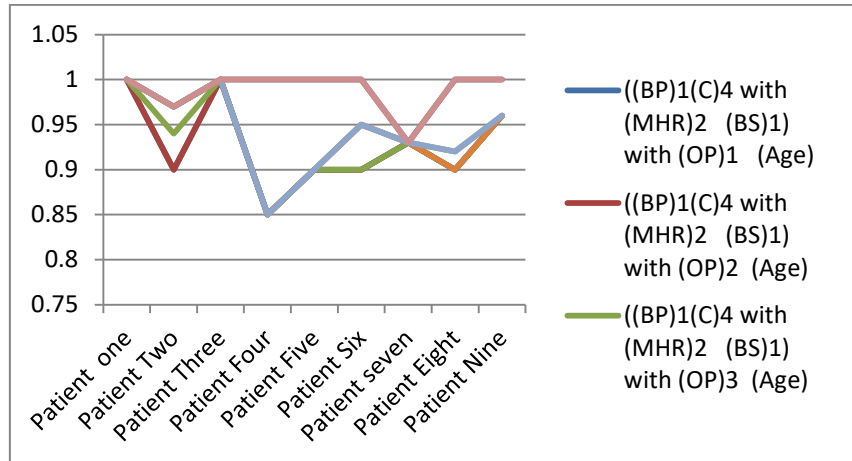Follow table 10: (The resultant ((BP)1 (C)3 with ((MHR)4 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4
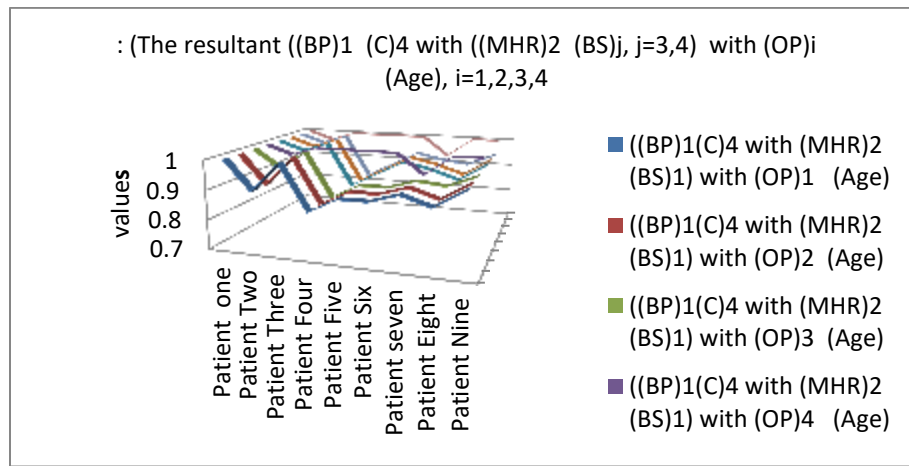
Figure26: (The resultant ((BP)1 (C)3 with ((MHR)4 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	(BP)1 (C)3 with (MHR)4 (BS)3) with (OP)1 (Age)	(BP)1 (C)3 with (MHR)4 (BS)3) with (OP)2 (Age)	(BP)1 (C)3 with (MHR)4 (BS)3) with (OP)3 (Age)	(BP)1 (C)3 with (MHR)4 (BS)3) with (OP)4 (Age)	(BP)1 (C)3 with (MHR)4 (BS)4) with (OP)1 (Age)	(BP)1 (C)3 with (MHR)4 (BS)4) with (OP)2 (Age)	(BP)1 (C)3 with (MHR)4 (BS)4) with (OP)3 (Age)	(BP)1 (C)3 with (MHR)4 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00

Follow table 10: (The resultant ((BP)1 (C)3 with ((MHR)4 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

Figure 27: (The resultant ((BP)1 (C)3 with ((MHR)4 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

From table 7(d) we get the following tables (11 and follows tables 11)

	((BP)1(C)4 with (MHR)1 (BS)1) with (OP)1 (Age)	((BP)1(C)4 with (MHR)1 (BS)1) with (OP)2 (Age)	((BP)1(C)4 with (MHR)1 (BS)1) with (OP)3 (Age)	((BP)1(C)4 with (MHR)1 (BS)1) with (OP)4 (Age)	((BP)1(C)4 with (MHR)1 (BS)2 with (OP)1 (Age)	((BP)1(C)4 with (MHR)1 (BS)2) with (OP)2 (Age)	((BP)1(C)4 with (MHR)1 (BS)2) with (OP)3 (Age)	((BP)1(C)4 with (MHR)1 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.90	0.90	0.94	0.97	0.97	0.97	0.97	0.97
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.85	0.85	0.85	1.00	0.85	0.85	0.85	1.00
Patient Five	0.90	0.90	0.90	1.00	0.90	0.90	0.90	1.00
Patient Six	0.90	0.90	0.90	1.00	0.95	0.95	0.95	1.00
Patient seven	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Patient Eight	0.90	0.90	0.92	1.00	0.90	0.90	0.92	1.00
Patient Nine	0.96	0.96	0.96	1.00	0.96	0.96	0.96	1.00

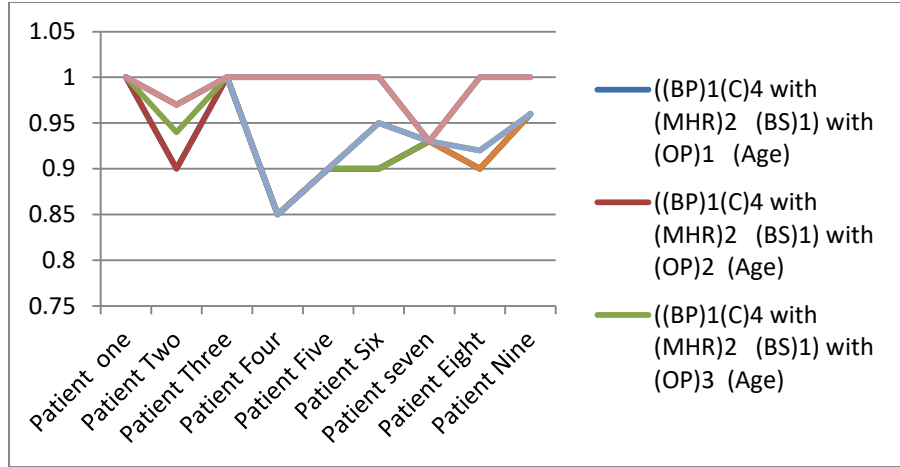Table 11: (The resultant ((BP)1 (C)4 with ((MHR)1 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

Figure 28: (The resultant ((BP)1 (C)4 with ((MHR)1 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	((BP)1(C)4 with (MHR)1 (BS)3) with (OP)1 (Age)	((BP)1(C)4 with (MHR)1 (BS)3) with (OP)2 (Age)	((BP)1(C)4 with (MHR)1 (BS)3) with (OP)3 (Age)	((BP)1(C)4 with (MHR)1 (BS)3) with (OP)4 (Age)	((BP)1(C)4 with (MHR)1 (BS)4 with (OP)1 (Age)	((BP)1(C)4 with (MHR)1 (BS)4) with (OP)2 (Age)	((BP)1(C)4 with (MHR)1 (BS)4) with (OP)3 (Age)	((BP)1(C)4 with (MHR)1 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.90	0.90	0.92	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.96	0.96	0.96	1.00	0.96	0.96	0.96	1.00

Follow table 11: (The resultant ((BP)1 (C)4 with ((MHR)1 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

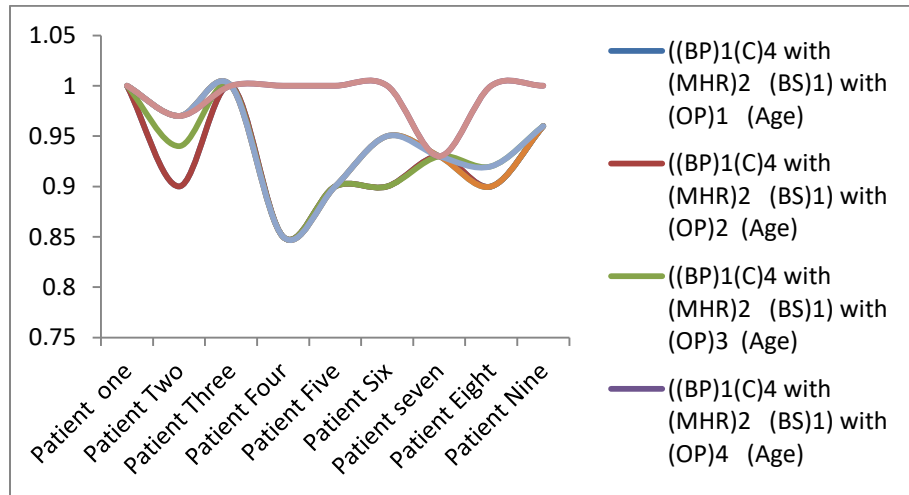Figure 29: (The resultant ((BP)1 (C)4 with ((MHR)1 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	((BP)1(C)4 with (MHR)2 (BS)1) with (OP)1 (Age)	((BP)1(C)4 with (MHR)2 (BS)1) with (OP)2 (Age)	((BP)1(C)4 with (MHR)2 (BS)1) with (OP)3 (Age)	((BP)1(C)4 with (MHR)2 (BS)1) with (OP)4 (Age)	((BP)1(C)4 with (MHR)2 (BS)2 with (OP)1 (Age)	((BP)1(C)4 with (MHR)2 (BS)2) with (OP)2 (Age)	((BP)1(C)4 with (MHR)2 (BS)2) with (OP)3 (Age)	((BP)1(C)4 with (MHR)2 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.90	0.90	0.94	0.97	0.97	0.97	0.97	0.97
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.85	0.85	0.85	1.00	0.85	0.85	0.85	1.00
Patient Five	0.90	0.90	0.90	1.00	0.90	0.90	0.90	1.00
Patient Six	0.90	0.90	0.90	1.00	0.95	0.95	0.95	1.00
Patient seven	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Patient Eight	0.90	0.90	0.92	1.00	0.90	0.90	0.92	1.00
Patient Nine	0.96	0.96	0.96	1.00	0.96	0.96	0.96	1.00

Follow table 11: (The resultant ((BP)1 (C)4 with ((MHR)2 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4
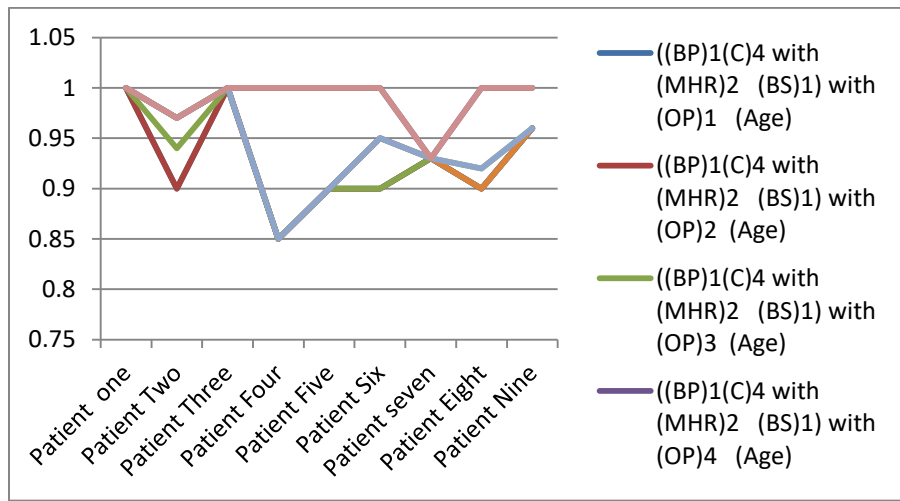

Figure30: (The resultant ((BP)1 (C)4 with ((MHR)2 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	((BP)1(C)4 with (MHR)2 (BS)3) with (OP)1 (Age)	((BP)1(C)4 with (MHR)2 (BS)3) with (OP)2 (Age)	((BP)1(C)4 with (MHR)2 (BS)3) with (OP)3 (Age)	((BP)1(C)4 with (MHR)2 (BS)3) with (OP)4 (Age)	((BP)1(C)4 with (MHR)2 (BS)4) with (OP)1 (Age)	((BP)1(C)4 with (MHR)2 (BS)4) with (OP)2 (Age)	((BP)1(C)4 with (MHR)2 (BS)4) with (OP)3 (Age)	((BP)1(C)4 with (MHR)2 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.90	0.90	0.92	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.96	0.96	0.96	1.00	0.96	0.96	0.96	1.00

Follow table 11: (The resultant ((BP)1 (C)4 with ((MHR)2 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4
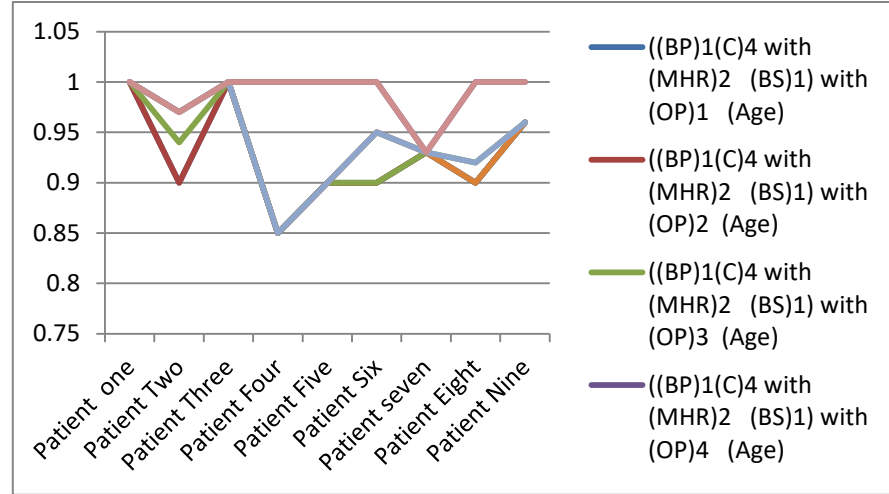

Figure 31: (The resultant ((BP)1 (C)4 with ((MHR)2 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	((BP)1(C)4 with (MHR)3 (BS)1) with (OP)1 (Age)	((BP)1(C)4 with (MHR)3 (BS)1) with (OP)2 (Age)	((BP)1(C)4 with (MHR)3 (BS)1) with (OP)3 (Age)	((BP)1(C)4 with (MHR)3 (BS)1) with (OP)4 (Age)	((BP)1(C)4 with (MHR)3 (BS)2) with (OP)1 (Age)	((BP)1(C)4 with (MHR)3 (BS)2) with (OP)2 (Age)	((BP)1(C)4 with (MHR)3 (BS)2) with (OP)3 (Age)	((BP)1(C)4 with (MHR)3 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.90	0.90	0.94	0.97	0.97	0.97	0.97	0.97
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.85	0.85	0.85	1.00	0.85	0.85	0.85	1.00
Patient Five	0.90	0.90	0.90	1.00	0.90	0.90	0.90	1.00
Patient Six	0.90	0.90	0.90	1.00	0.95	0.95	0.95	1.00
Patient seven	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Patient Eight	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Nine	0.96	0.96	0.96	1.00	0.96	0.96	0.96	1.00

Follow table 11: (The resultant ((BP)1 (C)4 with ((MHR)3 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4
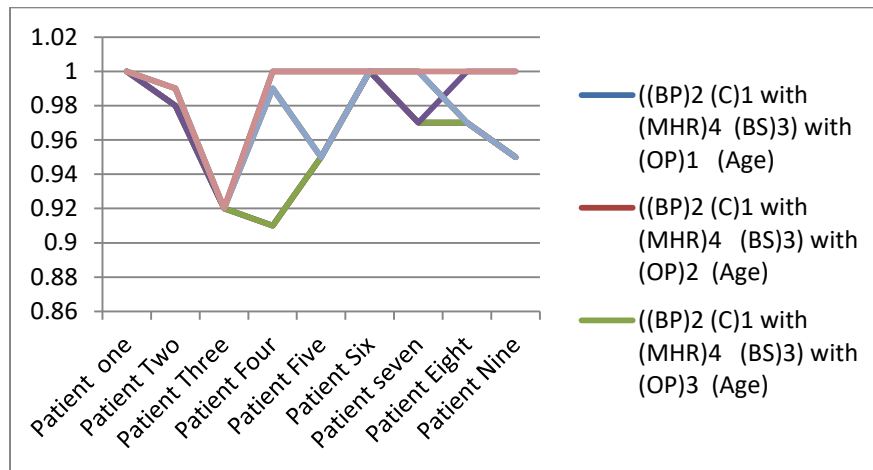
Figure 32: (The resultant ((BP)1 (C)4 with ((MHR)3 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

	((BP)1(C)4 with (MHR)3 (BS)3) with (OP)1 (Age)	((BP)1(C)4 with (MHR)3 (BS)3) with (OP)2 (Age)	((BP)1(C)4 with (MHR)3 (BS)3) with (OP)3 (Age)	((BP)1(C)4 with (MHR)3 (BS)3) with (OP)4 (Age)	((BP)1(C)4 with (MHR)3 (BS)4 with (OP)1 (Age)	((BP)1(C)4 with (MHR)3 (BS)4) with (OP)2 (Age)	((BP)1(C)4 with (MHR)3 (BS)4) with (OP)3 (Age)	((BP)1(C)4 with (MHR)3 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.95	0.95	0.95	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.96	0.96	0.96	1.00	0.96	0.96	0.96	1.00

Follow table 11: (The resultant ((BP)1 (C)4 with ((MHR)3 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4
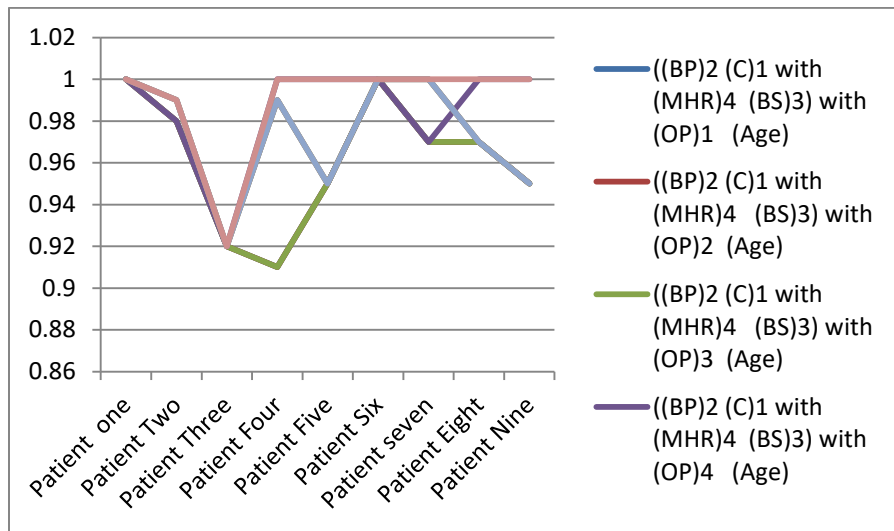

Figure 33: (The resultant ((BP)1 (C)4 with ((MHR)3 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

	((BP)1(C)4 with (MHR)4 (BS)1) with (OP)1 (Age)	((BP)1(C)4 with (MHR)4 (BS)1) with (OP)2 (Age)	((BP)1(C)4 with (MHR)4 (BS)1) with (OP)3 (Age)	((BP)1(C)4 with (MHR)4 (BS)1) with (OP)4 (Age)	((BP)1(C)4 with (MHR)4 (BS)2 with (OP)1 (Age)	((BP)1(C)4 with (MHR)4 (BS)2) with (OP)2 (Age)	((BP)1(C)4 with (MHR)4 (BS)2) with (OP)3 (Age)	((BP)1(C)4 with (MHR)4 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.97	0.97	0.97	0.97
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.85	0.85	0.85	1.00	0.85	0.85	0.85	1.00
Patient Five	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.96	0.96	0.96	1.00	0.96	0.96	0.96	1.00

Follow table 11: (The resultant ((BP)1 (C)4 with ((MHR)4 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4
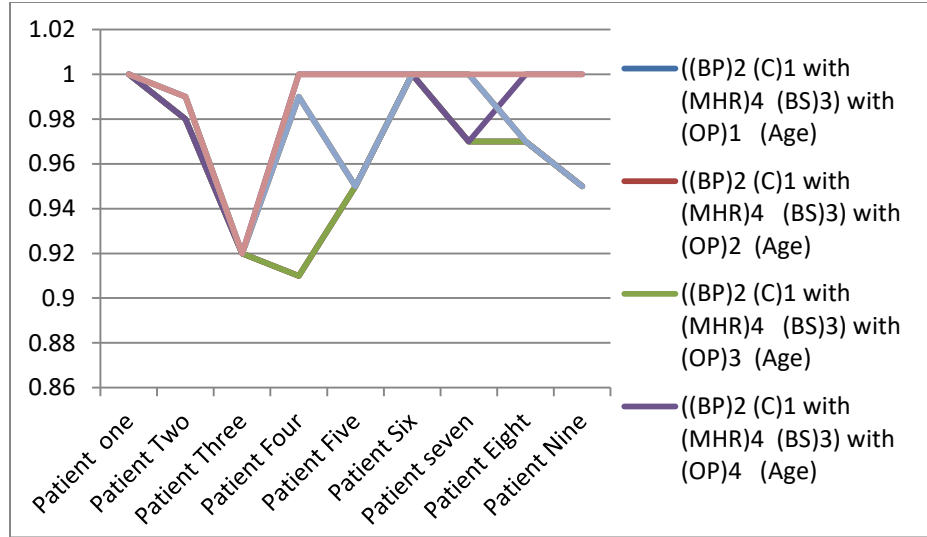

Figure 34: (The resultant ((BP)1 (C)4 with ((MHR)3 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	((BP)1(C)4 with (MHR)4 (BS)3) with (OP)1 (Age)	((BP)1(C)4 with (MHR)4 (BS)3) with (OP)2 (Age)	((BP)1(C)4 with (MHR)4 (BS)3) with (OP)3 (Age)	((BP)1(C)4 with (MHR)4 (BS)3) with (OP)4 (Age)	((BP)1(C)4 with (MHR)4 (BS)4) with (OP)1 (Age)	((BP)1(C)4 with (MHR)4 (BS)4) with (OP)2 (Age)	((BP)1(C)4 with (MHR)4 (BS)4) with (OP)3 (Age)	((BP)1(C)4 with (MHR)4 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.96	0.96	0.96	1.00	0.96	0.96	0.96	1.00

Follow table 11: (The resultant ((BP)1 (C)4 with ((MHR)4 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4
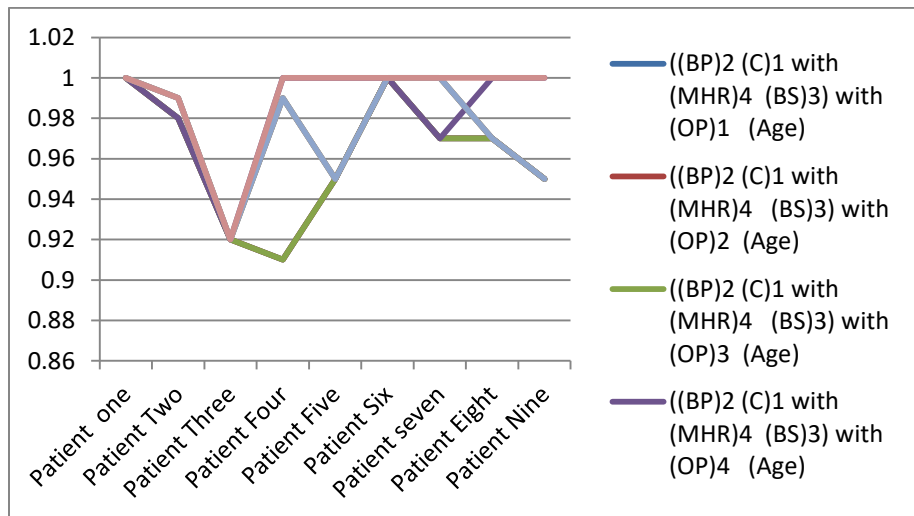
Figure 35: (The resultant ((BP)1 (C)4 with ((MHR)3 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	((BP)2 (C)1 with (MHR)1 (BS)1) with (OP)1 (Age)	((BP)2 (C)1 with (MHR)1 (BS)1) with (OP)2 (Age)	((BP)2 (C)1 with (MHR)1 (BS)1) with (OP)3 (Age)	((BP)2 (C)1 with (MHR)1 (BS)1) with (OP)4 (Age)	((BP)2 (C)1 with (MHR)1 (BS)2 with (OP)1 (Age)	((BP)2 (C)1 with (MHR)1 (BS)2) with (OP)2 (Age)	((BP)2 (C)1 with (MHR)1 (BS)2) with (OP)3 (Age)	((BP)2 (C)1 with (MHR)1 (BS)2) with (OP)4 (Age)
Patient one	0.80	0.80	0.80	1.00	0.84	0.84	0.84	1.00
Patient Two	0.91	0.91	0.94	0.97	0.97	0.97	0.97	0.97
Patient Three	0.92	0.92	0.92	0.92	0.82	0.82	0.85	0.90
Patient Four	0.86	0.86	0.86	1.00	0.86	0.86	0.86	1.00
Patient Five	0.75	0.75	0.80	1.00	0.80	0.80	0.80	1.00
Patient Six	0.82	0.82	0.82	1.00	0.95	0.95	0.95	1.00
Patient seven	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Patient Eight	0.88	0.88	0.92	1.00	0.88	0.88	0.92	1.00
Patient Nine	0.75	0.75	0.80	1.00	0.75	0.75	0.80	1.00

Table 12: (The resultant ((BP)2 (C)1 with ((MHR)1 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4
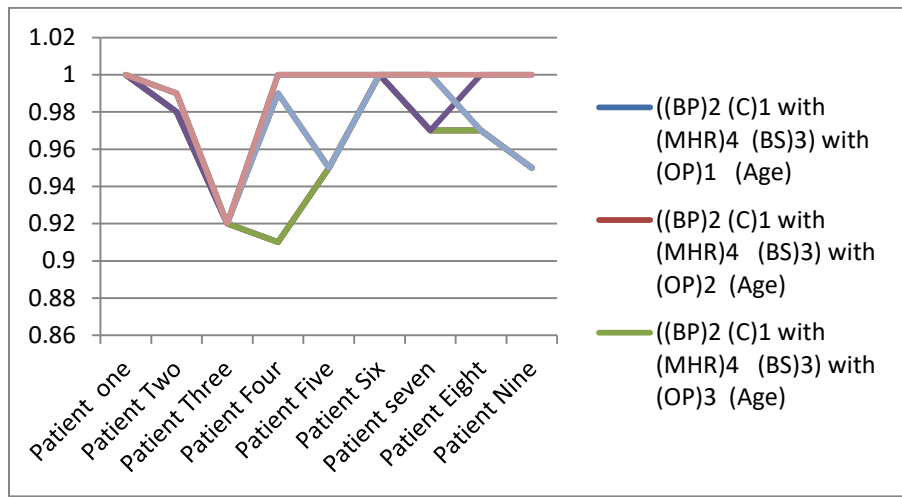

Figure 36: (The resultant ((BP)2 (C)1 with ((MHR)1 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	((BP)2 (C)1 with (MHR)1 (BS)3) with (OP)1 (Age)	((BP)2 (C)1 with (MHR)1 (BS)3) with (OP)2 (Age)	((BP)2 (C)1 with (MHR)1 (BS)3) with (OP)3 (Age)	((BP)2 (C)1 with (MHR)1 (BS)3) with (OP)4 (Age)	((BP)2 (C)1 with (MHR)1 (BS)4 with (OP)1 (Age)	((BP)2 (C)1 with (MHR)1 (BS)4) with (OP)2 (Age)	((BP)2 (C)1 with (MHR)1 (BS)4) with (OP)3 (Age)	((BP)2 (C)1 with (MHR)1 (BS)4) with (OP)4 (Age)
Patient one	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.90	0.90	0.90	1.00	0.97	0.97	0.97	0.97
Patient Nine	0.86	0.86	0.86	1.00	0.90	0.90	0.90	1.00

Follow table 12: (The resultant ((BP)2 (C)1 with ((MHR)1 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4
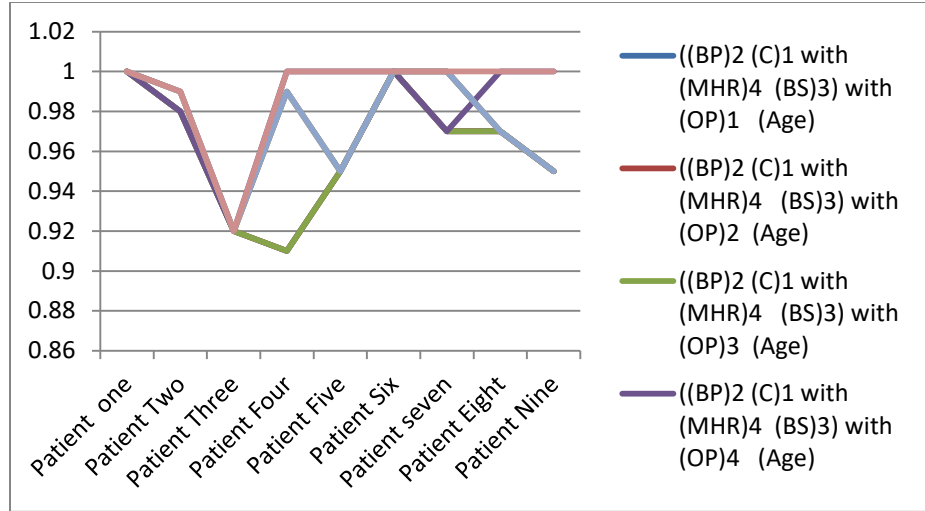

Figure 37: (The resultant ((BP)2 (C)1 with ((MHR)1 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

	((BP)2 (C)1 with (MHR)2 (BS)1) with (OP)1 (Age)	((BP)2 (C)1 with (MHR)2 (BS)1) with (OP)2 (Age)	((BP)2 (C)1 with (MHR)2 (BS)1) with (OP)3 (Age)	((BP)2 (C)1 with (MHR)2 (BS)1) with (OP)4 (Age)	((BP)2 (C)1 with (MHR)2 (BS)2 with (OP)1 (Age)	((BP)2 (C)1 with (MHR)2 (BS)2) with (OP)2 (Age)	((BP)2 (C)1 with (MHR)2 (BS)2) with (OP)3 (Age)	((BP)2 (C)1 with (MHR)2 (BS)2) with (OP)4 (Age)
Patient one	0.81	0.81	0.81	1.00	0.84	0.84	0.84	1.00
Patient Two	0.91	0.91	0.94	0.97	0.97	0.97	0.97	0.97
Patient Three	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Patient Four	0.86	0.86	0.86	1.00	1.00	1.00	1.00	1.00
Patient Five	0.75	0.75	0.80	1.00	0.80	0.80	0.80	1.00
Patient Six	0.82	0.82	0.82	1.00	0.95	0.95	0.95	1.00
Patient seven	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Patient Eight	0.88	0.88	0.92	1.00	0.88	0.88	0.92	1.00
Patient Nine	0.81	0.81	0.81	1.00	0.81	0.81	0.81	1.00

Follow table 12: (The resultant ((BP)2 (C)1 with ((MHR)2 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4
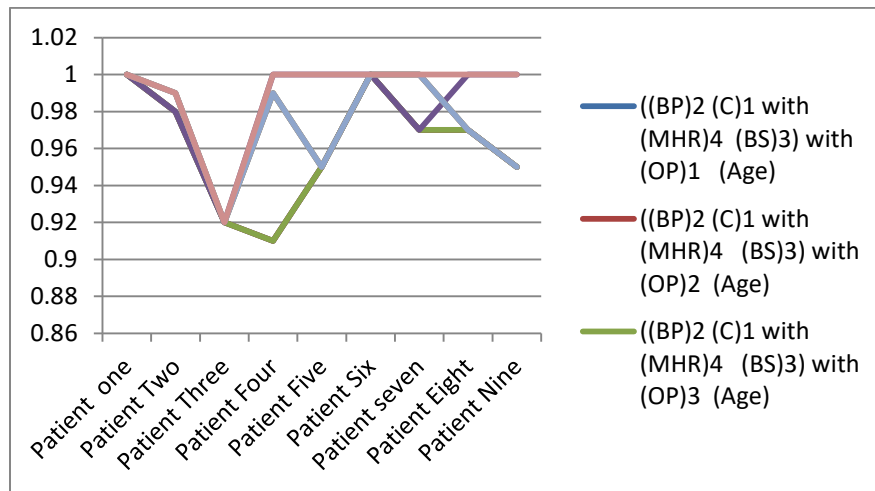
Figure 38: (The resultant ((BP)2 (C)1 with ((MHR)2 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	((BP)2 (C)1 with (MHR)2 (BS)3) with (OP)1 (Age)	((BP)2 (C)1 with (MHR)2 (BS)3) with (OP)2 (Age)	((BP)2 (C)1 with (MHR)2 (BS)3) with (OP)3 (Age)	((BP)2 (C)1 with (MHR)2 (BS)3) with (OP)4 (Age)	((BP)2 (C)1 with (MHR)2 (BS)4) with (OP)1 (Age)	((BP)2 (C)1 with (MHR)2 (BS)4) with (OP)2 (Age)	((BP)2 (C)1 with (MHR)2 (BS)4) with (OP)3 (Age)	(((BP)2 (C)1 with (MHR)2 (BS)4) with (OP)4 (Age)
Patient one	0.94	0.94	0.94	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.90	0.90	0.92	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.86	0.86	0.86	1.00	0.90	0.90	0.90	1.00

Follow table 12: (The resultant ((BP)2 (C)1 with ((MHR)2 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4
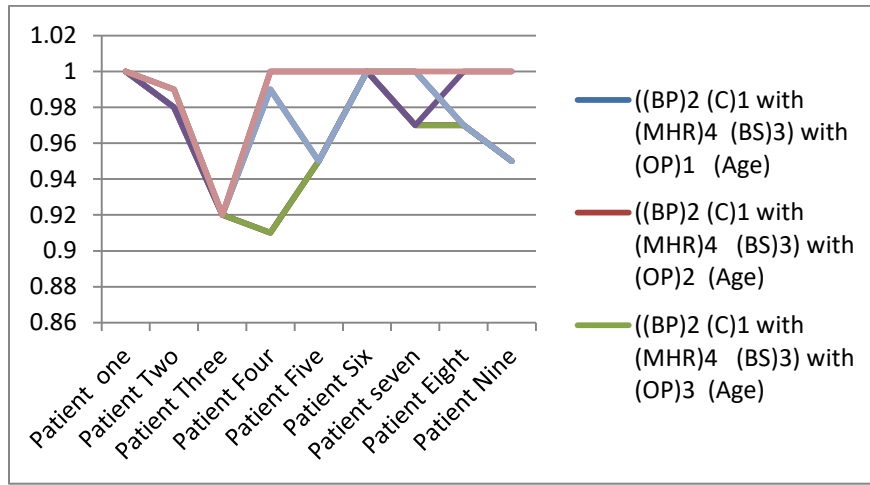

Figure 39: (The resultant ((BP)2 (C)1 with ((MHR)2 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

40

	((BP)2 (C)1 with (MHR)3 (BS)1) with (OP)1 (Age)	((BP)2 (C)1 with (MHR)3 (BS)1) with (OP)2 (Age)	((BP)2 (C)1 with (MHR)3 (BS)1) with (OP)3 (Age)	((BP)2 (C)1 with (MHR)3 (BS)1) with (OP)4 (Age)	((BP)2 (C)1 with (MHR)3 (BS)2 with (OP)1 (Age)	((BP)2 (C)1 with (MHR)3 (BS)2) with (OP)2 (Age)	((BP)2 (C)1 with (MHR)3 (BS)2) with (OP)3 (Age)	((BP)2 (C)1 with (MHR)3 (BS)2) with (OP)4 (Age)
Patient one	0.86	0.86	0.86	1.00	0.86	0.86	0.86	1.00
Patient Two	0.90	0.90	0.94	0.97	0.97	0.97	0.97	0.97
Patient Three	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Patient Four	0.86	0.86	0.86	1.00	0.86	0.86	0.86	1.00
Patient Five	0.77	0.77	0.80	1.00	0.80	0.80	0.80	1.00
Patient Six	0.86	0.86	0.86	1.00	0.95	0.95	0.95	1.00
Patient seven	0.90	0.90	0.90	0.92	0.92	0.92	0.92	0.92
Patient Eight	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Nine	0.90	0.90	0.90	1.00	0.90	0.90	0.90	1.00

Follow table 12: (The resultant ((BP)2 (C)1 with ((MHR)3 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4
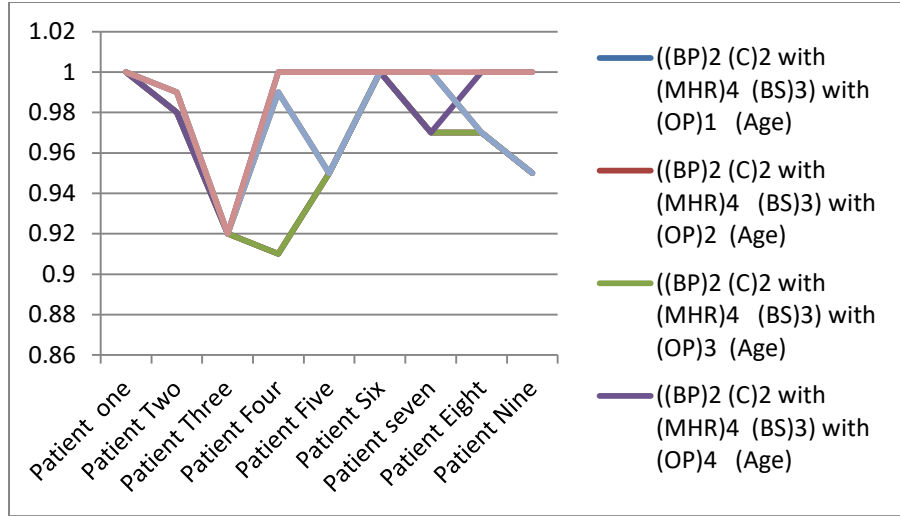

Figure 40: (The resultant ((BP)2 (C)1 with ((MHR)3 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	((BP)2 (C)1 with (MHR)3 (BS)3) with (OP)1 (Age)	((BP)2 (C)1 with (MHR)3 (BS)3) with (OP)2 (Age)	((BP)2 (C)1 with (MHR)3 (BS)3) with (OP)3 (Age)	((BP)2 (C)1 with (MHR)3 (BS)3) with (OP)4 (Age)	((BP)2 (C)1 with (MHR)3 (BS)4 with (OP)1 (Age)	((BP)2 (C)1 with (MHR)3 (BS)4) with (OP)2 (Age)	((BP)2 (C)1 with (MHR)3 (BS)4) with (OP)3 (Age)	((BP)2 (C)1 with (MHR)3 (BS)4) with (OP)4 (Age)
Patient one	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.95	0.95	0.95	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.90	0.90	0.90	1.00	0.90	0.90	0.90	1.00

Follow table 12: (The resultant ((BP)2 (C)1 with ((MHR)3 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4
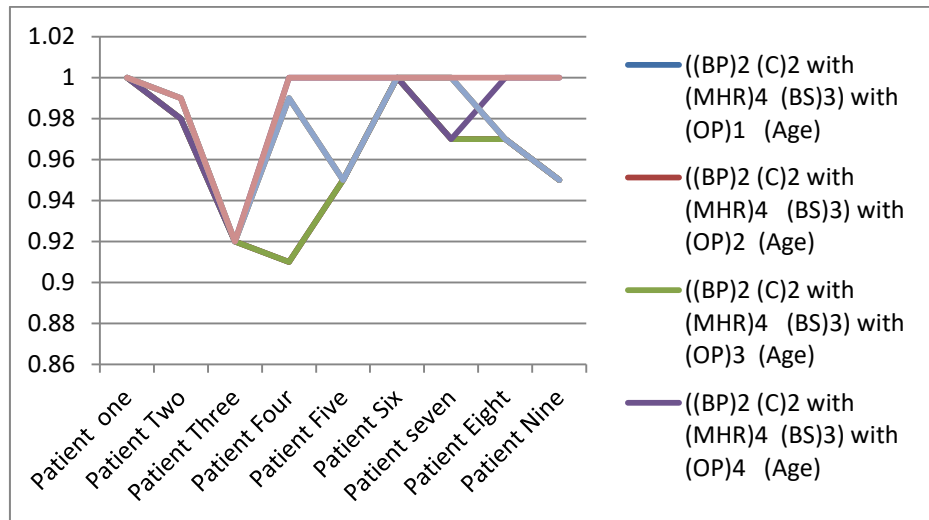
Figure 41: (The resultant ((BP)2 (C)1 with ((MHR)3 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

	((BP)2 (C)1 with (MHR)4 (BS)1) with (OP)1 (Age)	((BP)2 (C)1 with (MHR)4 (BS)1) with (OP)2 (Age)	((BP)2 (C)1 with (MHR)4 (BS)1) with (OP)3 (Age)	((BP)2 (C)1 with (MHR)4 (BS)1) with (OP)4 (Age)	((BP)2 (C)1 with (MHR)4 (BS)2 with (OP)1 (Age)	((BP)2 (C)1 with (MHR)4 (BS)2) with (OP)2 (Age)	((BP)2 (C)1 with (MHR)4 (BS)2) with (OP)3 (Age)	((BP)2 (C)1 with (MHR)4 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.97	0.97	0.97	0.97
Patient Three	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Patient Four	0.86	0.86	0.86	1.00	0.86	0.86	0.86	1.00
Patient Five	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00

Follow table 12: (The resultant ((BP)2 (C)1 with ((MHR)4 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4
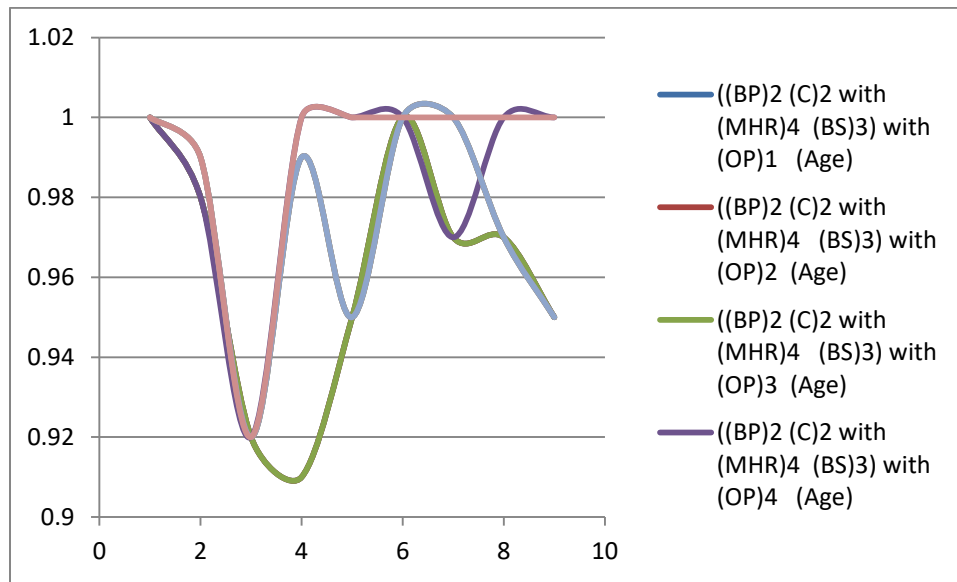

Figure 42: (The resultant ((BP)2 (C)1 with ((MHR)4 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

	((BP)2 (C)1 with (MHR)4 (BS)3) with (OP)1 (Age)	((BP)2 (C)1 with (MHR)4 (BS)3) with (OP)2 (Age)	((BP)2 (C)1 with (MHR)4 (BS)3) with (OP)3 (Age)	((BP)2 (C)1 with (MHR)4 (BS)3) with (OP)4 (Age)	((BP)2 (C)1 with (MHR)4 (BS)4) with (OP)1 (Age)	((BP)2 (C)1 with (MHR)4 (BS)4) with (OP)2 (Age)	((BP)2 (C)1 with (MHR)4 (BS)4) with (OP)3 (Age)	((BP)2 (C)1 with (MHR)4 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00

Follow table 12: (The resultant ((BP)2 (C)1 with ((MHR)4 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4
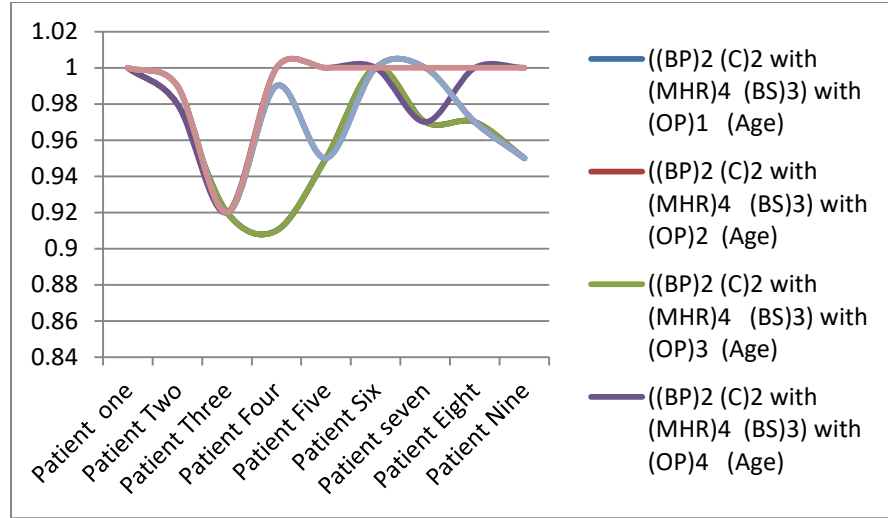

Figure 43: (The resultant ((BP)2 (C)1 with ((MHR)4 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	((BP)2 (C)2 with (MHR)1 (BS)1) with (OP)1 (Age)	((BP)2 (C)2 with (MHR)1 (BS)1) with (OP)2 (Age)	((BP)2 (C)2 with (MHR)1 (BS)1) with (OP)3 (Age)	((BP)2 (C)2 with (MHR)1 (BS)1) with (OP)4 (Age)	((BP)2 (C)2 with (MHR)1 (BS)2 with (OP)1 (Age)	((BP)2 (C)2 with (MHR)1 (BS)2) with (OP)2 (Age)	((BP)2 (C)2 with (MHR)1 (BS)2) with (OP)3 (Age)	((BP)2 (C)2 with (MHR)1 (BS)2) with (OP)4 (Age)
Patient one	0.80	0.80	0.80	1.00	0.84	0.84	0.84	1.00
Patient Two	0.91	0.91	0.94	0.97	0.97	0.97	0.97	0.97
Patient Three	0.92	0.92	0.92	0.92	0.82	0.82	0.85	0.90
Patient Four	0.86	0.86	0.86	1.00	0.86	0.86	0.86	1.00
Patient Five	0.75	0.75	0.80	1.00	0.80	0.80	0.80	1.00
Patient Six	0.97	0.97	0.97	1.00	0.95	0.95	0.95	1.00
Patient seven	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Patient Eight	0.88	0.88	0.92	1.00	0.88	0.88	0.92	1.00
Patient Nine	0.75	0.75	0.80	1.00	0.75	0.75	0.80	1.00

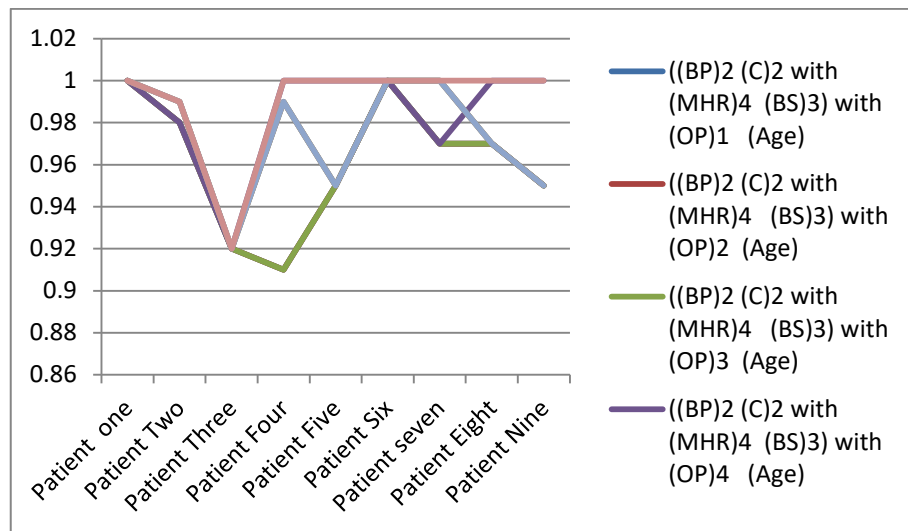Table 13: (The resultant ((BP)2 (C)2 with ((MHR)1 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

Figure 44: (The resultant ((BP)2 (C)2 with ((MHR)1 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	((BP)2 (C)2 with (MHR)1 (BS)3) with (OP)1 (Age)	((BP)2 (C)2 with (MHR)1 (BS)3) with (OP)2 (Age)	((BP)2 (C)2 with (MHR)1 (BS)3) with (OP)3 (Age)	((BP)2 (C)2 with (MHR)1 (BS)3) with (OP)4 (Age)	((BP)2 (C)2 with (MHR)1 (BS)4 with (OP)1 (Age)	((BP)2 (C)2 with (MHR)1 (BS)4) with (OP)2 (Age)	((BP)2 (C)2 with (MHR)1 (BS)4) with (OP)3 (Age)	((BP)2 (C)2 with (MHR)1 (BS)4) with (OP)4 (Age)
Patient one	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.90	0.90	0.92	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.86	0.86	0.86	1.00	0.90	0.90	0.90	1.00

Follow table 13: (The resultant ((BP)2 (C)2 with ((MHR)1 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4
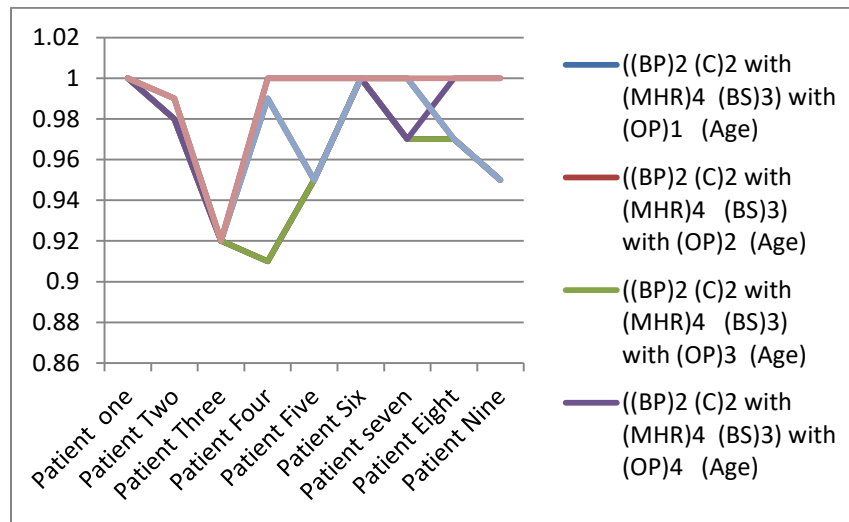

Figure 45: (The resultant ((BP)2 (C)2 with ((MHR)1 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	((BP)2 (C)2 with (MHR)2 (BS)1) with (OP)1 (Age)	((BP)2 (C)2 with (MHR)2 (BS)1) with (OP)2 (Age)	((BP)2 (C)2 with (MHR)2 (BS)1) with (OP)3 (Age)	((BP)2 (C)2 with (MHR)2 (BS)1) with (OP)4 (Age)	((BP)2 (C)2 with (MHR)2 (BS)2 with (OP)1 (Age)	((BP)2 (C)2 with (MHR)2 (BS)2) with (OP)2 (Age)	((BP)2 (C)2 with (MHR)2 (BS)2) with (OP)3 (Age)	((BP)2 (C)2 with (MHR)2 (BS)2) with (OP)4 (Age)
Patient one	0.81	0.81	0.81	1.00	0.84	0.84	0.84	1.00
Patient Two	0.91	0.91	0.94	0.97	0.97	0.97	0.97	0.97
Patient Three	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Patient Four	0.86	0.86	0.86	1.00	0.86	0.86	0.86	1.00
Patient Five	0.75	0.75	0.80	1.00	0.80	0.80	0.80	1.00
Patient Six	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient seven	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Patient Eight	0.88	0.88	0.92	1.00	0.88	0.88	0.92	1.00
Patient Nine	0.81	0.81	0.81	1.00	0.81	0.81	0.81	1.00

Follow table 13: (The resultant ((BP)2 (C)2 with ((MHR)2 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4
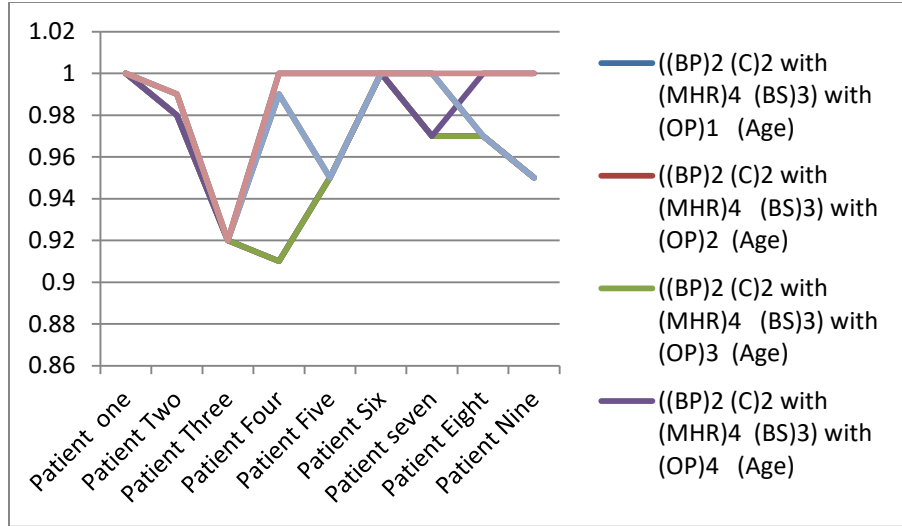

Figure 46: (The resultant ((BP)2 (C)2 with ((MHR)2 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	((BP)2 (C)2 with (MHR)2 (BS)3) with (OP)1 (Age)	((BP)2 (C)2 with (MHR)2 (BS)3) with (OP)2 (Age)	((BP)2 (C)2 with (MHR)2 (BS)3) with (OP)3 (Age)	((BP)2 (C)2 with (MHR)2 (BS)3) with (OP)4 (Age)	((BP)2 (C)2 with (MHR)2 (BS)4) with (OP)1 (Age)	((BP)2 (C)2 with (MHR)2 (BS)4) with (OP)2 (Age)	((BP)2 (C)2 with (MHR)2 (BS)4) with (OP)3 (Age)	((BP)2 (C)2 with (MHR)2 (BS)4) with (OP)4 (Age)
Patient one	0.94	0.94	0.94	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.90	0.90	0.92	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.86	0.86	0.86	1.00	0.90	0.90	0.90	1.00

Follow table 13: (The resultant ((BP)2 (C)2 with ((MHR)2 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4
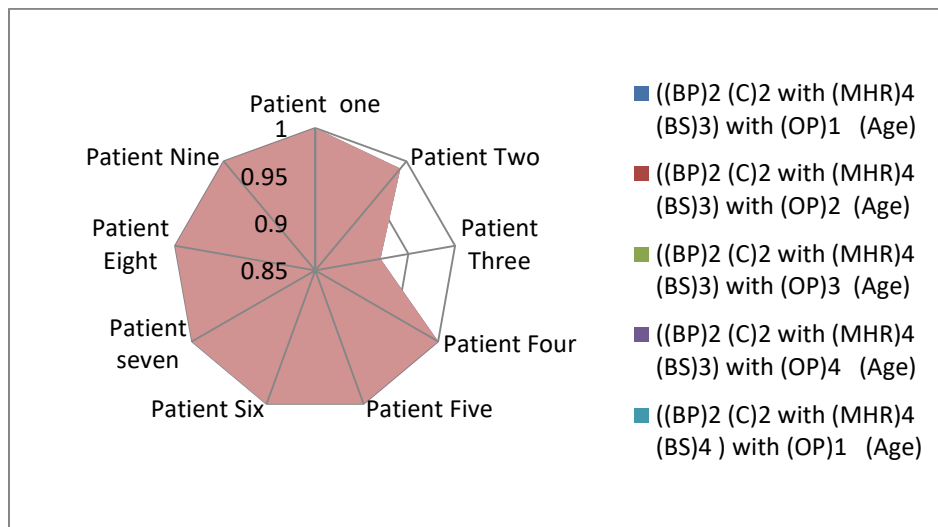
Figure 47: (The resultant ((BP)2 (C)2 with ((MHR)2 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

	((BP)2 (C)2 with (MHR)3 (BS)1) with (OP)1 (Age)	((BP)2 (C)2 with (MHR)3 (BS)1) with (OP)2 (Age)	((BP)2 (C)2 with (MHR)3 (BS)1) with (OP)3 (Age)	((BP)2 (C)2 with (MHR)3 (BS)1) with (OP)4 (Age)	((BP)2 (C)2 with (MHR)3 (BS)2 with (OP)1 (Age)	((BP)2 (C)2 with (MHR)3 (BS)2) with (OP)2 (Age)	((BP)2 (C)2 with (MHR)3 (BS)2) with (OP)3 (Age)	((BP)2 (C)2 with (MHR)3 (BS)2) with (OP)4 (Age)
Patient one	0.86	0.86	0.86	1.00	0.86	0.86	0.86	1.00
Patient Two	0.90	0.90	0.94	0.97	0.90	0.90	0.94	0.97
Patient Three	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Patient Four	0.86	0.86	0.86	1.00	0.86	0.86	0.86	1.00
Patient Five	0.77	0.77	0.80	1.00	0.80	0.80	0.80	1.00
Patient Six	0.97	0.97	0.97	1.00	0.95	0.95	0.95	1.00
Patient seven	0.90	0.90	0.90	0.92	0.92	0.92	0.92	0.92
Patient Eight	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Nine	0.90	0.90	0.90	1.00	0.90	0.90	0.90	1.00

Follow table 13: (The resultant ((BP)2 (C)2 with ((MHR)3 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4
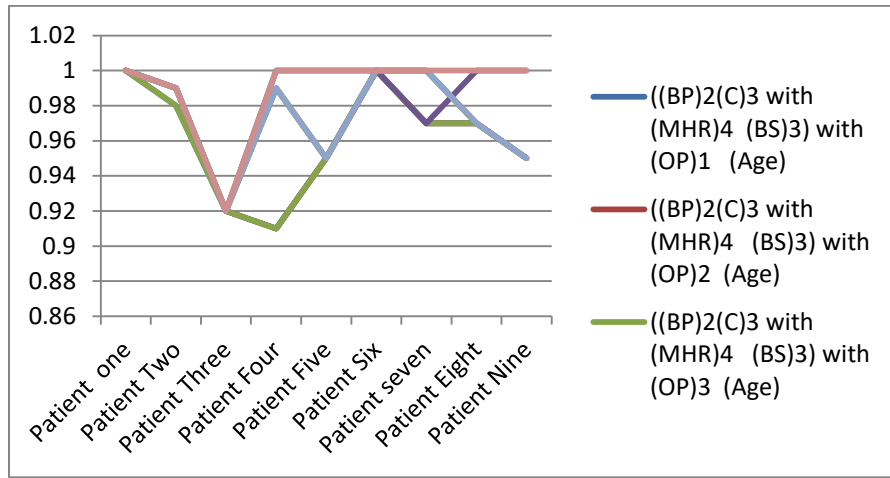

Figure48: (The resultant ((BP)2 (C)2 with ((MHR)3 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

	((BP)2 (C)2 with (MHR)3 (BS)3) with (OP)1 (Age)	((BP)2 (C)2 with (MHR)3 (BS)3) with (OP)2 (Age)	((BP)2 (C)2 with (MHR)3 (BS)3) with (OP)3 (Age)	((BP)2 (C)2 with (MHR)3 (BS)3) with (OP)4 (Age)	((BP)2 (C)2 with (MHR)3 (BS)4 with (OP)1 (Age)	((BP)2 (C)2 with (MHR)3 (BS)4) with (OP)2 (Age)	((BP)2 (C)2 with (MHR)3 (BS)4) with (OP)3 (Age)	((BP)2 (C)2 with (MHR)3 (BS)4) with (OP)4 (Age)
Patient one	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.95	0.95	0.95	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.90	0.90	0.90	1.00	0.90	0.90	0.90	1.00

Follow table 13: (The resultant ((BP)2 (C)2 with ((MHR)3 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4
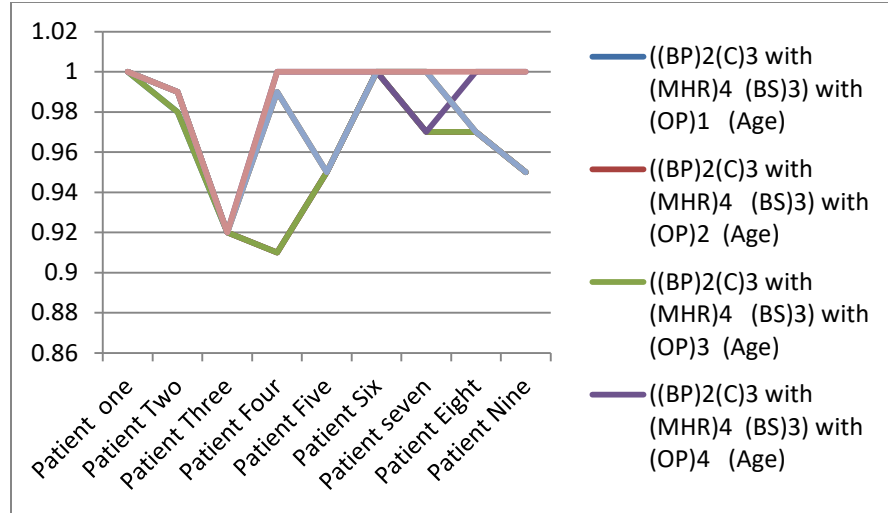

Figure 49: (The resultant ((BP)2 (C)2 with ((MHR)3 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	((BP)2 (C)2 with (MHR)4 (BS)1) with (OP)1 (Age)	((BP)2 (C)2 with (MHR)4 (BS)1) with (OP)2 (Age)	((BP)2 (C)2 with (MHR)4 (BS)1) with (OP)3 (Age)	((BP)2 (C)2 with (MHR)4 (BS)1) with (OP)4 (Age)	((BP)2 (C)2 with (MHR)4 (BS)2 with (OP)1 (Age)	((BP)2 (C)2 with (MHR)4 (BS)2) with (OP)2 (Age)	((BP)2 (C)2 with (MHR)4 (BS)2) with (OP)3 (Age)	((BP)2 (C)2 with (MHR)4 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.97	0.97	0.97	0.97
Patient Three	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Patient Four	0.86	0.86	0.86	1.00	0.86	0.86	0.86	1.00
Patient Five	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00

Follow table 13: (The resultant ((BP)2 (C)2 with ((MHR)4 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4
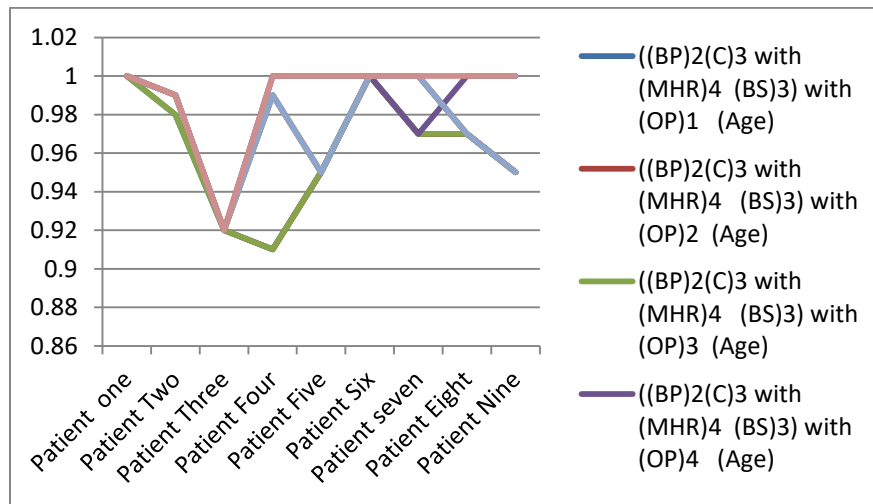
Figure 50: (The resultant ((BP)2 (C)2 with ((MHR)4 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	((BP)2 (C)2 with (MHR)4 (BS)3) with (OP)1 (Age)	((BP)2 (C)2 with (MHR)4 (BS)3) with (OP)2 (Age)	((BP)2 (C)2 with (MHR)4 (BS)3) with (OP)3 (Age)	((BP)2 (C)2 with (MHR)4 (BS)3) with (OP)4 (Age)	((BP)2 (C)2 with (MHR)4 (BS)4) with (OP)1 (Age)	((BP)2 (C)2 with (MHR)4 (BS)4) with (OP)2 (Age)	((BP)2 (C)2 with (MHR)4 (BS)4) with (OP)3 (Age)	((BP)2 (C)2 with (MHR)4 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00

Follow table 13: (The resultant ((BP)2 (C)2 with ((MHR)4 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4
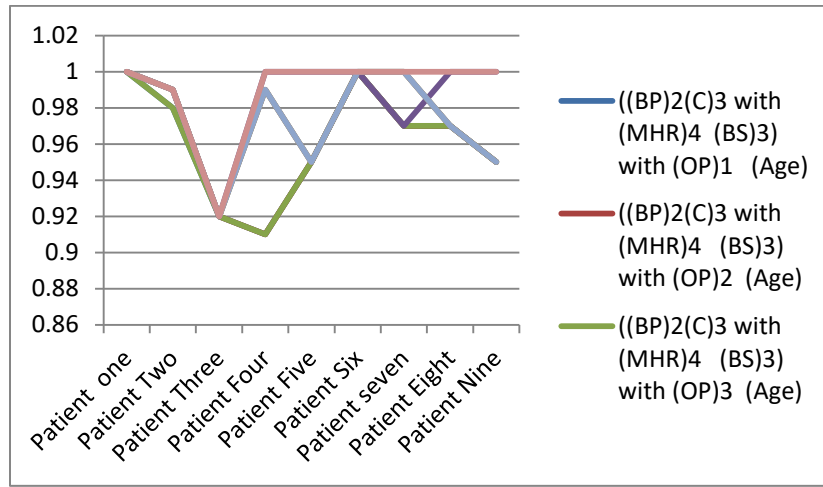

Figure 51: (The resultant ((BP)2 (C)2 with ((MHR)4 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	((BP)2(C)3 with (MHR)1 (BS)1) with (OP)1 (Age)	((BP)2(C)3 with (MHR)1 (BS)1) with (OP)2 (Age)	((BP)2(C)3 with (MHR)1 (BS)1) with (OP)3 (Age)	((BP)2(C)3 with (MHR)1 (BS)1) with (OP)4 (Age)	((BP)2(C)3 with (MHR)1 (BS)2 with (OP)1 (Age)	((BP)2(C)3 with (MHR)1 (BS)2) with (OP)2 (Age)	((BP)2(C)3 with (MHR)1 (BS)2) with (OP)3 (Age)	((BP)2(C)3 with (MHR)1 (BS)2) with (OP)4 (Age)
Patient one	0.86	0.86	0.86	1.00	0.86	0.86	0.86	1.00
Patient Two	0.91	0.91	0.94	0.97	0.97	0.97	0.97	0.97
Patient Three	0.92	0.92	0.92	0.92	0.82	0.82	0.85	0.90
Patient Four	0.86	0.86	0.86	1.00	0.86	0.86	0.86	1.00
Patient Five	0.83	0.83	0.83	1.00	0.83	0.83	0.83	1.00
Patient Six	0.86	0.86	0.86	1.00	0.95	0.95	0.95	1.00
Patient seven	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Patient Eight	0.88	0.88	0.92	1.00	0.88	0.88	0.92	1.00
Patient Nine	0.86	0.86	0.86	1.00	0.86	0.86	0.86	1.00

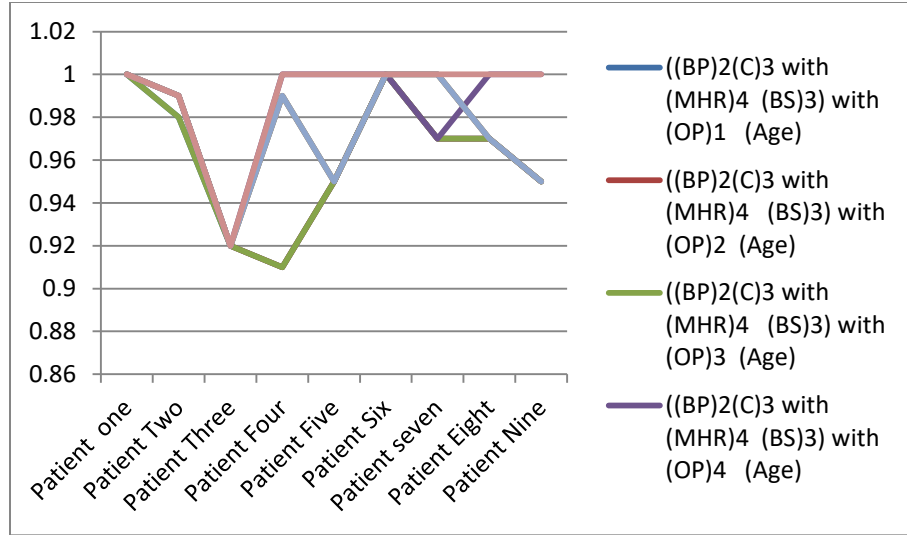Table 14: (The resultant ((BP)2 (C)3 with ((MHR)1 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

Figure 52: (The resultant ((BP)2 (C)3 with ((MHR)1 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	((BP)2(C)3 with (MHR)1 (BS)3) with (OP)1 (Age)	((BP)2(C)3 with (MHR)1 (BS)3) with (OP)2 (Age)	((BP)2(C)3 with (MHR)1 (BS)3) with (OP)3 (Age)	((BP)2(C)3 with (MHR)1 (BS)3) with (OP)4 (Age)	((BP)2(C)3 with (MHR)1 (BS)4 with (OP)1 (Age)	((BP)2(C)3 with (MHR)1 (BS)4) with (OP)2 (Age)	((BP)2(C)3 with (MHR)1 (BS)4) with (OP)3 (Age)	((BP)2(C)3 with (MHR)1 (BS)4) with (OP)4 (Age)
Patient one	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.90	0.90	0.92	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.86	0.86	0.86	1.00	0.90	0.90	0.90	1.00

Follow table 14: (The resultant ((BP)2 (C)3 with ((MHR)1 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4
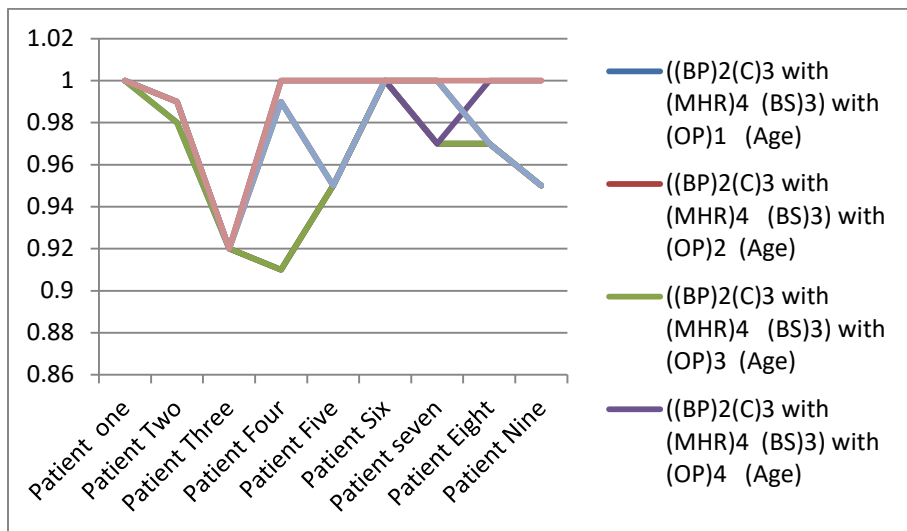
Figure 53: (The resultant ((BP)2 (C)3 with ((MHR)1 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	((BP)2(C)3 with (MHR)2 (BS)1) with (OP)1 (Age)	((BP)2(C)3 with (MHR)2 (BS)1) with (OP)2 (Age)	((BP)2(C)3 with (MHR)2 (BS)1) with (OP)3 (Age)	((BP)2(C)3 with (MHR)2 (BS)1) with (OP)4 (Age)	((BP)2(C)3 with (MHR)2 (BS)2 with (OP)1 (Age)	((BP)2(C)3 with (MHR)2 (BS)2) with (OP)2 (Age)	((BP)2(C)3 with (MHR)2 (BS)2) with (OP)3 (Age)	((BP)2(C)3 with (MHR)2 (BS)2) with (OP)4 (Age)
Patient one	0.86	0.86	0.86	1.00	0.86	0.86	0.86	1.00
Patient Two	0.91	0.91	0.94	0.97	0.97	0.97	0.97	0.97
Patient Three	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Patient Four	0.86	0.86	0.86	1.00	0.86	0.86	0.86	1.00
Patient Five	0.83	0.83	0.83	1.00	0.83	0.83	0.83	1.00
Patient Six	0.86	0.86	0.86	1.00	0.95	0.95	0.95	1.00
Patient seven	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Patient Eight	0.88	0.88	0.92	1.00	0.88	0.88	0.92	1.00
Patient Nine	0.81	0.81	0.81	1.00	0.81	0.81	0.81	1.00

Follow table 14: (The resultant ((BP)2 (C)3 with ((MHR)2 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4
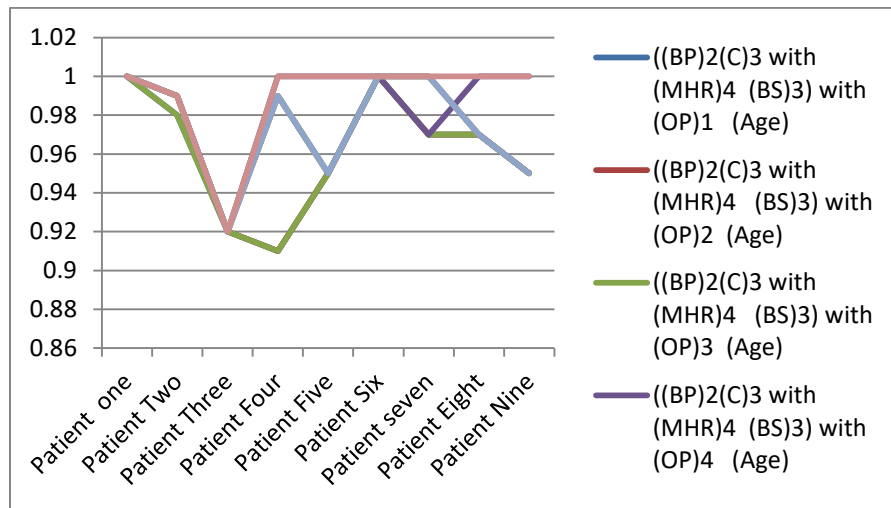

Figure 54: (The resultant ((BP)2 (C)3 with ((MHR)2 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	((BP)2(C)3 with (MHR)2 (BS)3) with (OP)1 (Age)	((BP)2(C)3 with (MHR)2 (BS)3) with (OP)2 (Age)	((BP)2(C)3 with (MHR)2 (BS)3) with (OP)3 (Age)	((BP)2(C)3 with (MHR)2 (BS)3) with (OP)4 (Age)	((BP)2(C)3 with (MHR)2 (BS)4) with (OP)1 (Age)	((BP)2(C)3 with (MHR)2 (BS)4) with (OP)2 (Age)	((BP)2(C)3 with (MHR)2 (BS)4) with (OP)3 (Age)	((BP)2(C)3 with (MHR)2 (BS)4) with (OP)4 (Age)
Patient one	0.94	0.94	0.94	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	0.92
Patient Eight	0.90	0.90	0.92	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.86	0.86	0.86	1.00	0.90	0.90	0.90	1.00

Follow table 14: (The resultant ((BP)2 (C)3 with ((MHR)2 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4
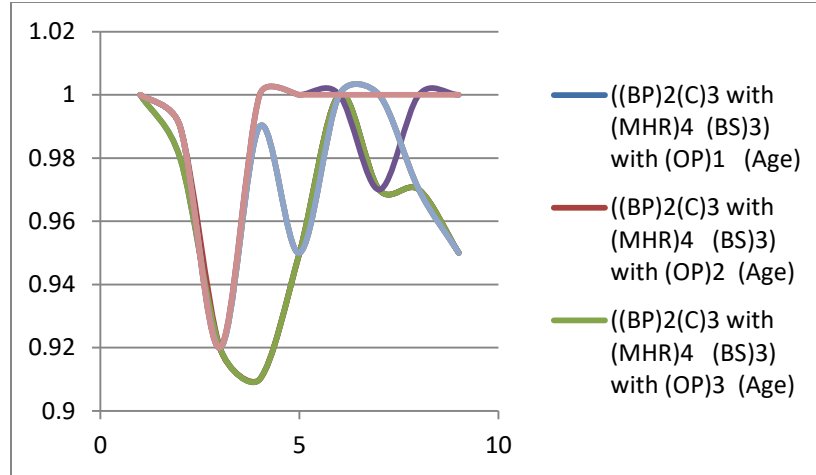

Figure 55: (The resultant ((BP)2 (C)3 with ((MHR)2 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	((BP)2(C)3 with (MHR)3 (BS)1) with (OP)1 (Age)	((BP)2(C)3 with (MHR)3 (BS)1) with (OP)2 (Age)	((BP)2(C)3 with (MHR)3 (BS)1) with (OP)3 (Age)	((BP)2(C)3 with (MHR)3 (BS)1) with (OP)4 (Age)	((BP)2(C)3 with (MHR)3 (BS)2 with (OP)1 (Age)	((BP)2(C)3 with (MHR)3 (BS)2) with (OP)2 (Age)	((BP)2(C)3 with (MHR)3 (BS)2) with (OP)3 (Age)	((BP)2(C)3 with (MHR)3 (BS)2) with (OP)4 (Age)
Patient one	0.86	0.86	0.86	1.00	0.86	0.86	0.86	1.00
Patient Two	0.90	0.90	0.94	0.97	0.97	0.97	0.97	0.97
Patient Three	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Patient Four	0.86	0.86	0.86	1.00	0.86	0.86	0.86	1.00
Patient Five	0.83	0.83	0.83	1.00	0.83	0.83	0.83	1.00
Patient Six	0.86	0.86	0.86	1.00	0.95	0.95	0.95	1.00
Patient seven	0.90	0.90	0.90	0.92	0.92	0.92	0.92	0.92
Patient Eight	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Nine	0.90	0.90	0.90	1.00	0.90	0.90	0.90	1.00

Follow table 14: (The resultant ((BP)2 (C)3 with ((MHR)3 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4
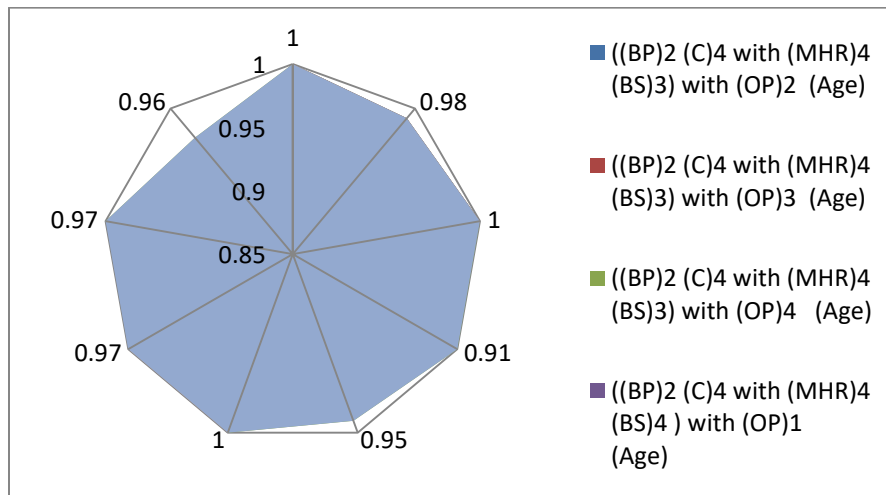
Figure 56: (The resultant ((BP)2 (C)3 with ((MHR)3 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	((BP)2(C)3 with (MHR)3 (BS)3) with (OP)1 (Age)	((BP)2(C)3 with (MHR)3 (BS)3) with (OP)2 (Age)	((BP)2(C)3 with (MHR)3 (BS)3) with (OP)3 (Age)	((BP)2(C)3 with (MHR)3 (BS)3) with (OP)4 (Age)	((BP)2(C)3 with (MHR)3 (BS)4 with (OP)1 (Age)	((BP)2(C)3 with (MHR)3 (BS)4) with (OP)2 (Age)	((BP)2(C)3 with (MHR)3 (BS)4) with (OP)3 (Age)	((BP)2(C)3 with (MHR)3 (BS)4) with (OP)4 (Age)
Patient one	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.95	0.95	0.95	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.90	0.90	0.90	1.00	0.90	0.90	0.90	1.00

Follow table 14: (The resultant ((BP)2 (C)3 with ((MHR)3 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

Figure 57: (The resultant ((BP)2 (C)3 with ((MHR)3 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	((BP)2(C)3 with (MHR)4 (BS)1) with (OP)1 (Age)	((BP)2(C)3 with (MHR)4 (BS)1) with (OP)2 (Age)	((BP)2(C)3 with (MHR)4 (BS)1) with (OP)3 (Age)	((BP)2(C)3 with (MHR)4 (BS)1) with (OP)4 (Age)	((BP)2(C)3 with (MHR)4 (BS)2 with (OP)1 (Age)	((BP)2(C)3 with (MHR)4 (BS)2) with (OP)2 (Age)	((BP)2(C)3 with (MHR)4 (BS)2) with (OP)3 (Age)	((BP)2(C)3 with (MHR)4 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.97	0.97	0.97	0.97
Patient Three	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Patient Four	0.86	0.86	0.86	1.00	0.86	0.86	0.86	1.00
Patient Five	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00

Follow table 14: (The resultant ((BP)2 (C)3 with ((MHR)4 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4
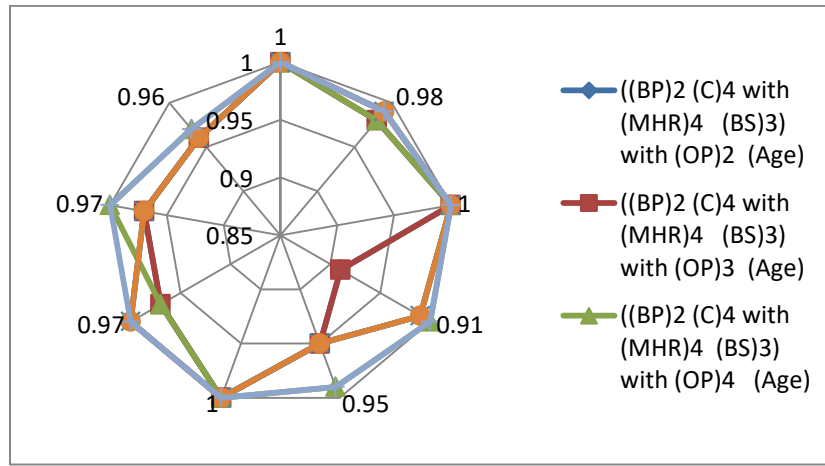

Figure 58: (The resultant ((BP)2 (C)3 with ((MHR)4 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	((BP)2(C)3 with (MHR)4 (BS)3) with (OP)1 (Age)	((BP)2(C)3 with (MHR)4 (BS)3) with (OP)2 (Age)	((BP)2(C)3 with (MHR)4 (BS)3) with (OP)3 (Age)	((BP)2(C)3 with (MHR)4 (BS)3) with (OP)4 (Age)	((BP)2(C)3 with (MHR)4 (BS)4) with (OP)1 (Age)	((BP)2(C)3 with (MHR)4 (BS)4) with (OP)2 (Age)	((BP)2(C)3 with (MHR)4 (BS)4) with (OP)3 (Age)	((BP)2(C)3 with (MHR)4 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.99	0.98	0.99	0.99	0.99	0.99	0.99
Patient Three	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00

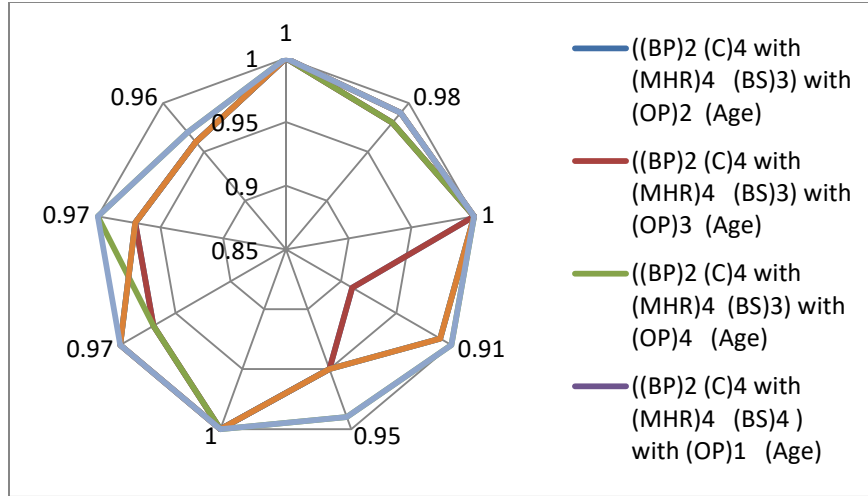Follow table 14: (The resultant ((BP)2 (C)3 with ((MHR)4 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

Figure 59: (The resultant ((BP)2 (C)3 with ((MHR)4 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	((BP)2 (C)4 with (MHR)1 (BS)1) with (OP)1 (Age)	((BP)2 (C)4 with (MHR)1 (BS)1) with (OP)2 (Age)	((BP)2 (C)4 with (MHR)1 (BS)1) with (OP)3 (Age)	((BP)2 (C)4 with (MHR)1 (BS)1) with (OP)4 (Age)	((BP)2 (C)4 with (MHR)1 (BS)2 with (OP)1 (Age)	((BP)2 (C)4 with (MHR)1 (BS)2) with (OP)2 (Age)	((BP)2 (C)4 with (MHR)1 (BS)2) with (OP)3 (Age)	((BP)2 (C)4 with (MHR)1 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.91	0.91	0.94	0.97	0.97	0.97	0.97	0.97
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.86	0.86	0.86	1.00	0.86	0.86	0.86	1.00
Patient Five	0.90	0.90	0.90	1.00	0.90	0.90	0.90	1.00
Patient Six	0.90	0.90	0.90	1.00	0.95	0.95	0.95	1.00
Patient seven	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Patient Eight	0.90	0.90	0.92	1.00	0.90	0.90	0.92	1.00
Patient Nine	0.96	0.96	0.96	1.00	0.96	0.96	0.96	1.00

Table 15: (The resultant ((BP)2 (C)4 with ((MHR)1 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4
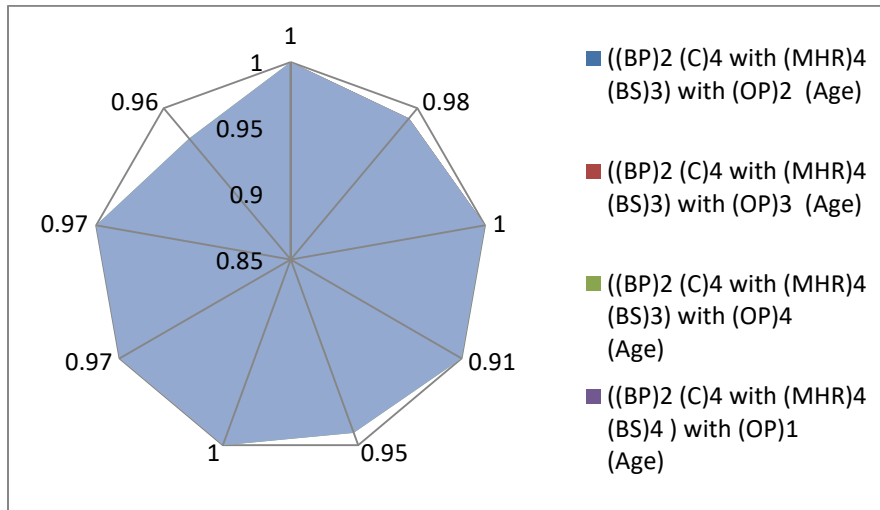

Figure 60: (The resultant ((BP)2 (C)4 with ((MHR)1 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	((BP)2 (C)4 with (MHR)1 (BS)3) with (OP)1 (Age)	((BP)2 (C)4 with (MHR)1 (BS)3) with (OP)2 (Age)	((BP)2 (C)4 with (MHR)1 (BS)3) with (OP)3 (Age)	((BP)2 (C)4 with (MHR)1 (BS)3) with (OP)4 (Age)	((BP)2 (C)4 with (MHR)1 (BS)4 with (OP)1 (Age)	((BP)2 (C)4 with (MHR)1 (BS)4) with (OP)2 (Age)	((BP)2 (C)4 with (MHR)1 (BS)4) with (OP)3 (Age)	((BP)2 (C)4 with (MHR)1 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.91	0.91	0.91	0.90	0.99	0.99	0.99	0.90
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.90	0.90	0.902	0.92	0.97	0.97	0.97	0.92
Patient Nine	0.96	0.96	0.96	1.00	0.96	0.96	0.96	1.00

Follow table 15: (The resultant ((BP)2 (C)4 with ((MHR)1 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4
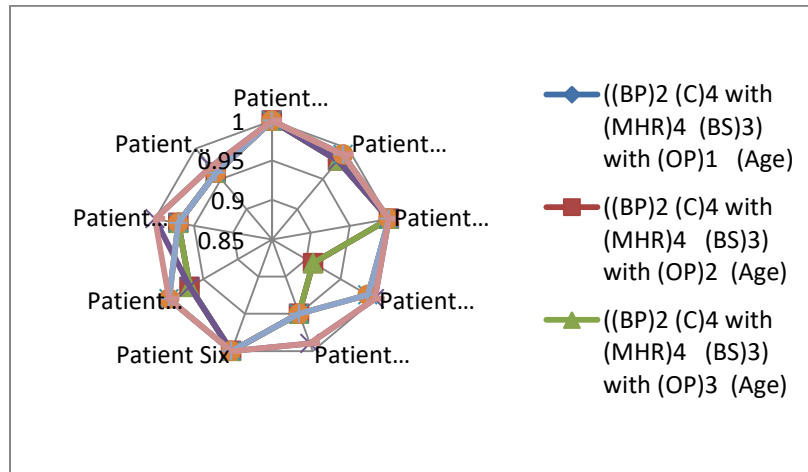

Figure 61: (The resultant ((BP)2 (C)4 with ((MHR)1 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	((BP)2 (C)4 with (MHR)2 (BS)1) with (OP)1 (Age)	((BP)2 (C)4 with (MHR)2 (BS)1) with (OP)2 (Age)	((BP)2 (C)4 with (MHR)2 (BS)1) with (OP)3 (Age)	((BP)2 (C)4 with (MHR)2 (BS)1) with (OP)4 (Age)	((BP)2 (C)4 with (MHR)2 (BS)2 with (OP)1 (Age)	((BP)2 (C)4 with (MHR)2 (BS)2) with (OP)2 (Age)	((BP)2 (C)4 with (MHR)2 (BS)2) with (OP)3 (Age)	((BP)2 (C)4 with (MHR)2 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.91	0.91	0.94	0.97	0.97	0.97	0.97	0.97
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.86	0.86	0.86	1.00	0.86	0.86	0.86	1.00
Patient Five	0.90	0.90	0.90	1.00	0.90	0.90	0.90	1.00
Patient Six	0.90	0.90	0.90	1.00	0.95	0.95	0.95	1.00
Patient seven	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Patient Eight	0.90	0.90	0.92	1.00	0.90	0.90	0.92	1.00
Patient Nine	0.96	0.96	0.96	1.00	0.96	0.96	0.96	1.00

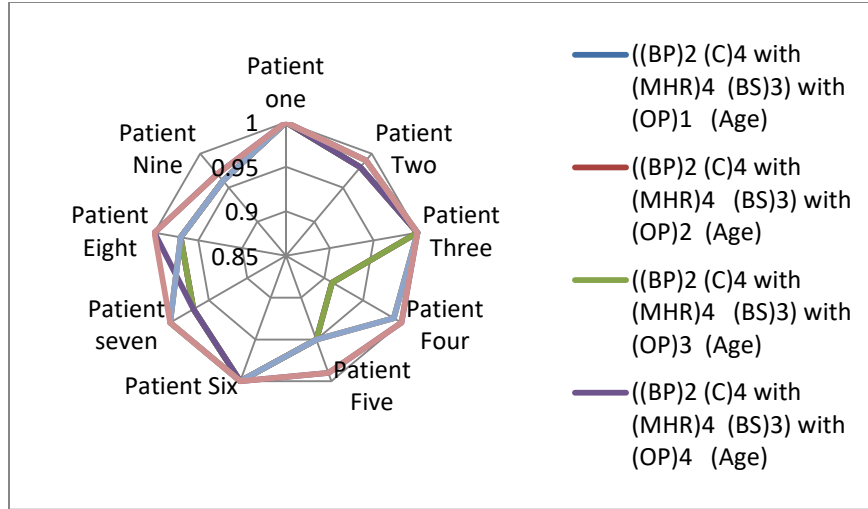Follow table 15: (The resultant ((BP)2 (C)4 with ((MHR)2 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

Figure 62: (The resultant ((BP)2 (C)4 with ((MHR)2 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

	((BP)2 (C)4 with (MHR)2 (BS)3) with (OP)1 (Age)	((BP)2 (C)4 with (MHR)2 (BS)3) with (OP)2 (Age)	((BP)2 (C)4 with (MHR)2 (BS)3) with (OP)3 (Age)	((BP)2 (C)4 with (MHR)2 (BS)3) with (OP)4 (Age)	((BP)2 (C)4 with (MHR)2 (BS)4) with (OP)1 (Age)	((BP)2 (C)4 with (MHR)2 (BS)4) with (OP)2 (Age)	((BP)2 (C)4 with (MHR)2 (BS)4) with (OP)3 (Age)	((BP)2 (C)4 with (MHR)2 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.99	0.99	0.99	0.99	0.99
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.91	0.91	0.91	0.99	0.99	0.99	0.99	0.99
Patient Five	0.90	0.90	0.90	0.92	0.92	0.92	0.92	0.92
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.90	0.90	0.92	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.96	0.96	0.96	1.00	0.96	0.96	0.96	1.00

Follow table 15: (The resultant ((BP)2 (C)4 with ((MHR)2 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4
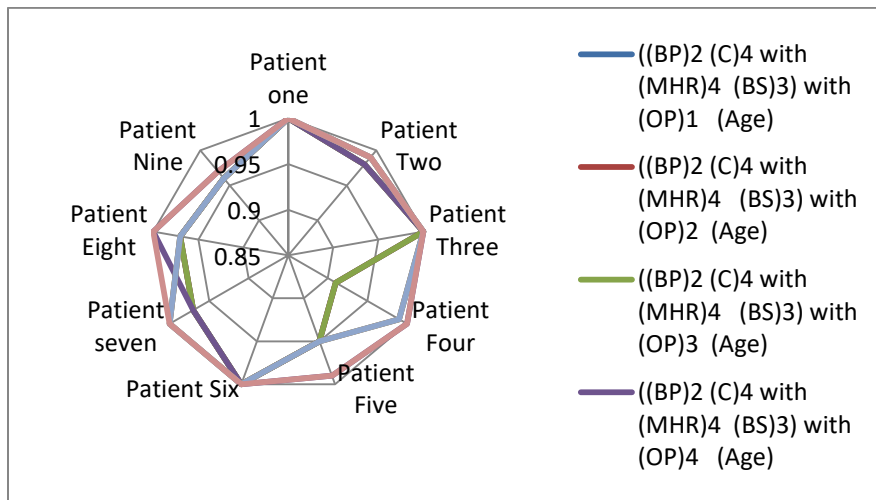

Figure 63: (The resultant ((BP)2 (C)4 with ((MHR)2 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

	((BP)2 (C)4 with (MHR)3 (BS)1) with (OP)1 (Age)	((BP)2 (C)4 with (MHR)3 (BS)1) with (OP)2 (Age)	((BP)2 (C)4 with (MHR)3 (BS)1) with (OP)3 (Age)	((BP)2 (C)4 with (MHR)3 (BS)1) with (OP)4 (Age)	((BP)2 (C)4 with (MHR)3 (BS)2 with (OP)1 (Age)	((BP)2 (C)4 with (MHR)3 (BS)2) with (OP)2 (Age)	((BP)2 (C)4 with (MHR)3 (BS)2) with (OP)3 (Age)	((BP)2 (C)4 with (MHR)3 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.90	0.90	0.94	0.97	0.97	0.97	0.97	0.97
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.86	0.86	0.86	1.00	0.86	0.86	0.86	1.00
Patient Five	0.90	0.90	0.90	1.00	0.90	0.90	0.90	1.00
Patient Six	0.90	0.90	0.90	1.00	0.95	0.95	0.95	1.00
Patient seven	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Patient Eight	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Nine	0.96	0.96	0.96	1.00	0.96	0.96	0.96	1.00

Follow table 15: (The resultant ((BP)2 (C)4 with ((MHR)3 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4
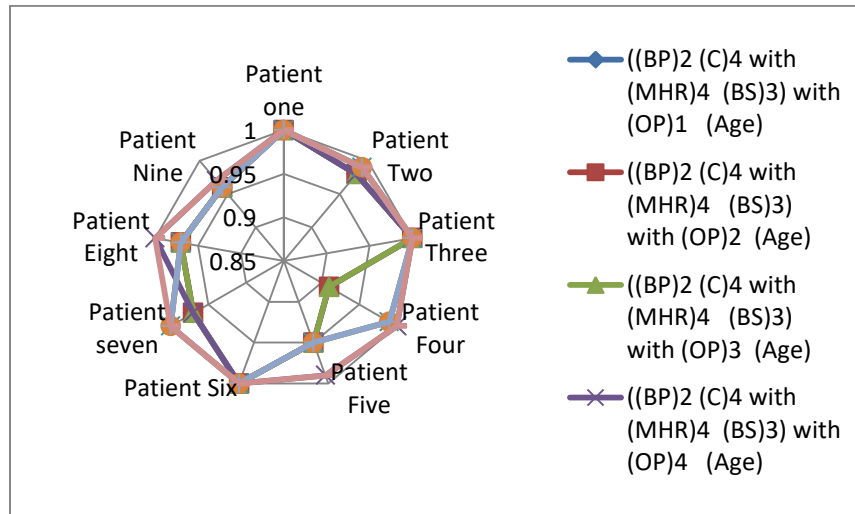

Figure 64: (The resultant ((BP)2 (C)4 with ((MHR)3 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	((BP)2 (C)4 with (MHR)3 (BS)3) with (OP)1 (Age)	((BP)2 (C)4 with (MHR)3 (BS)3) with (OP)2 (Age)	((BP)2 (C)4 with (MHR)3 (BS)3) with (OP)3 (Age)	((BP)2 (C)4 with (MHR)3 (BS)3) with (OP)4 (Age)	((BP)2 (C)4 with (MHR)3 (BS)4 with (OP)1 (Age)	((BP)2 (C)4 with (MHR)3 (BS)4) with (OP)2 (Age)	((BP)2 (C)4 with (MHR)3 (BS)4) with (OP)3 (Age)	((BP)2 (C)4 with (MHR)3 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.95	0.95	0.95	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.96	0.96	0.96	1.00	0.96	0.96	0.96	1.00

Follow table 15: (The resultant ((BP)2 (C)4 with ((MHR)3 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

Figure 65: (The resultant ((BP)2 (C)4 with ((MHR)3 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

	((BP)2 (C)4 with (MHR)4 (BS)1) with (OP)1 (Age)	((BP)2 (C)4 with (MHR)4 (BS)1) with (OP)2 (Age)	((BP)2 (C)4 with (MHR)4 (BS)1) with (OP)3 (Age)	((BP)2 (C)4 with (MHR)4 (BS)1) with (OP)4 (Age)	((BP)2 (C)4 with (MHR)4 (BS)2 with (OP)1 (Age)	((BP)2 (C)4 with (MHR)4 (BS)2) with (OP)2 (Age)	((BP)2 (C)4 with (MHR)4 (BS)2) with (OP)3 (Age)	((BP)2 (C)4 with (MHR)4 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.97	0.97	0.97	0.97
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.86	0.86	0.86	1.00	0.86	0.86	0.86	1.00
Patient Five	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.96	0.96	0.96	1.00	0.96	0.96	0.96	1.00

Follow table 15: (The resultant ((BP)2 (C)4 with ((MHR)4 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4
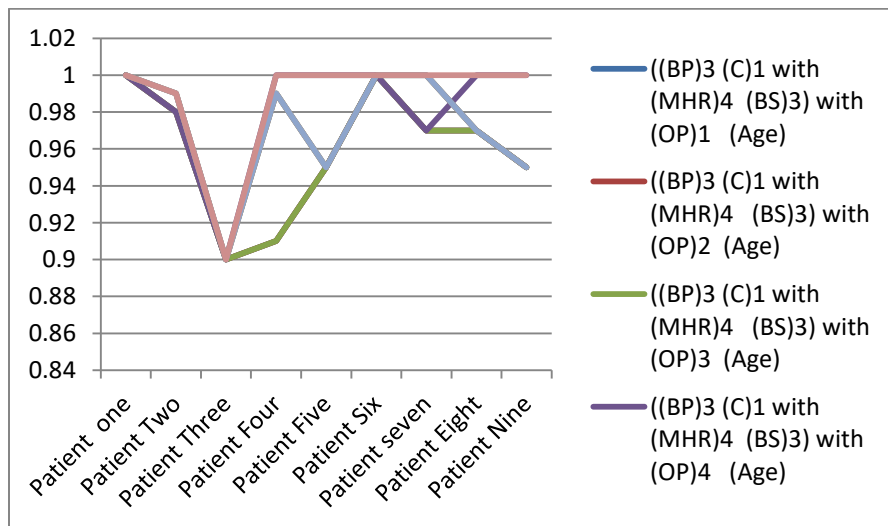

Figure 66: (The resultant ((BP)2 (C)4 with ((MHR)4 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

	((BP)2 (C)4 with (MHR)4 (BS)3) with (OP)1 (Age)	((BP)2 (C)4 with (MHR)4 (BS)3) with (OP)2 (Age)	((BP)2 (C)4 with (MHR)4 (BS)3) with (OP)3 (Age)	((BP)2 (C)4 with (MHR)4 (BS)3) with (OP)4 (Age)	((BP)2 (C)4 with (MHR)4 (BS)4) with (OP)1 (Age)	((BP)2 (C)4 with (MHR)4 (BS)4) with (OP)2 (Age)	((BP)2 (C)4 with (MHR)4 (BS)4) with (OP)3 (Age)	((BP)2 (C)4 with (MHR)4 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.95	0.95	0.95	0.99	0.95	0.95	0.95	0.99
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.96	0.96	0.96	0.97	0.96	0.96	0.96	0.97

Follow table 15: (The resultant ((BP)2 (C)4 with ((MHR)4 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4
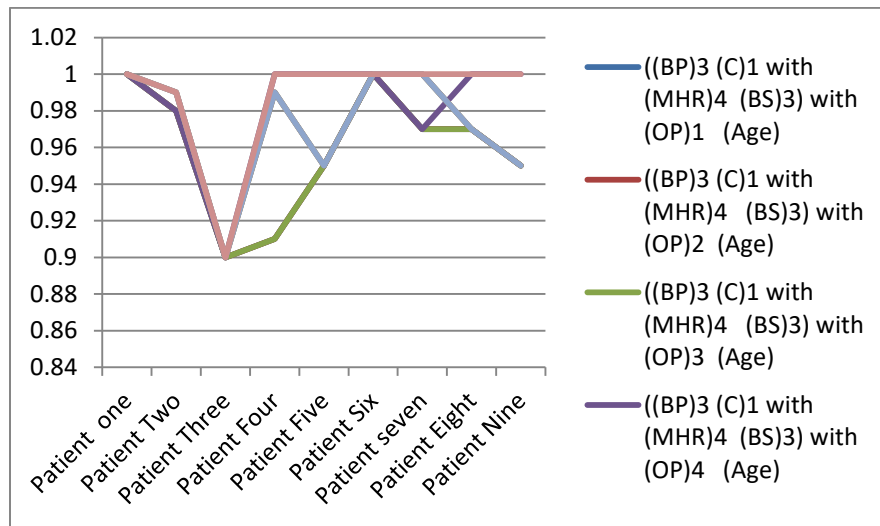

Figure 67: (The resultant ((BP)2 (C)4 with ((MHR)4 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	((BP)3 (C)1 with (MHR)1 (BS)1) with (OP)1 (Age)	((BP)3 (C)1 with (MHR)1 (BS)1) with (OP)2 (Age)	((BP)3 (C)1 with (MHR)1 (BS)1) with (OP)3 (Age)	((BP)3 (C)1 with (MHR)1 (BS)1) with (OP)4 (Age)	((BP)3 (C)1 with (MHR)1 (BS)2 with (OP)1 (Age)	((BP)3 (C)1 with (MHR)1 (BS)2) with (OP)2 (Age)	((BP)3 (C)1 with (MHR)1 (BS)2) with (OP)3 (Age)	((BP)3 (C)1 with (MHR)1 (BS)2) with (OP)4 (Age)
Patient one	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00
Patient Two	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Patient Three	0.88	0.88	0.88	0.90	0.88	0.88	0.88	0.90
Patient Four	0.88	0.88	0.88	1.00	0.88	0.88	0.88	1.00
Patient Five	0.82	0.82	0.82	1.00	0.82	0.82	0.82	1.00
Patient Six	0.94	0.94	0.94	1.00	0.95	0.95	0.95	1.00
Patient seven	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Patient Eight	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00
Patient Nine	0.70	0.70	0.80	1.00	0.70	0.70	0.80	1.00

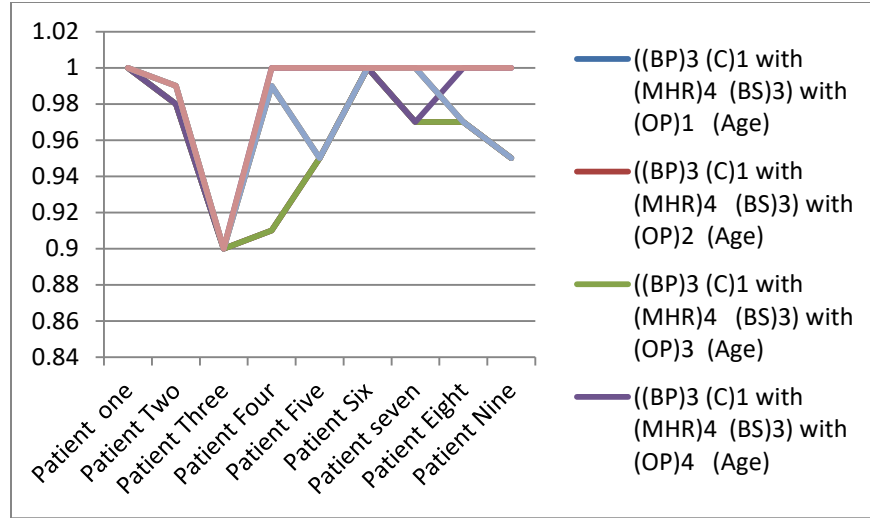Table 16: (The resultant ((BP)3 (C)1 with ((MHR)1 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4
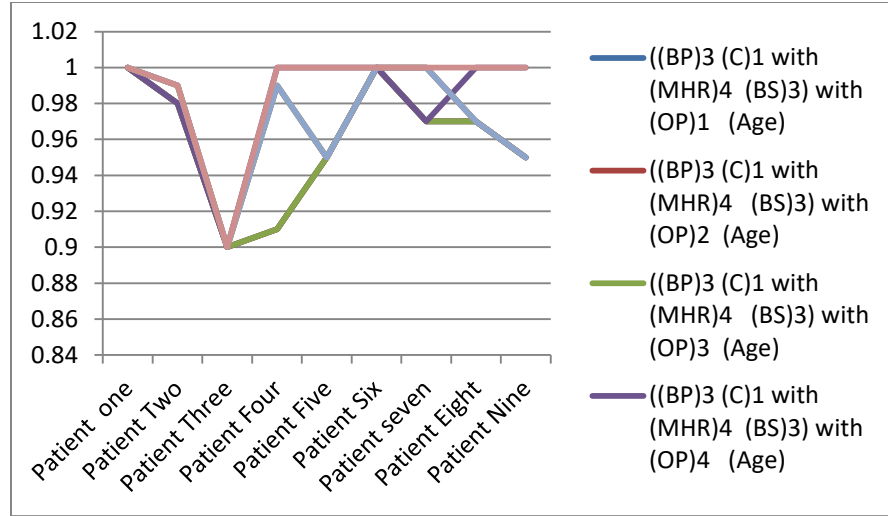
Figure 68 : (The resultant ((BP)3 (C)1 with ((MHR)1 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

	((BP)3 (C)1 with (MHR)1 (BS)3) with (OP)1 (Age)	((BP)3 (C)1 with (MHR)1 (BS)3) with (OP)2 (Age)	((BP)3 (C)1 with (MHR)1 (BS)3) with (OP)3 (Age)	((BP)3 (C)1 with (MHR)1 (BS)3) with (OP)4 (Age)	((BP)3 (C)1 with (MHR)1 (BS)4 with (OP)1 (Age)	((BP)3 (C)1 with (MHR)1 (BS)4) with (OP)2 (Age)	((BP)3 (C)1 with (MHR)1 (BS)4) with (OP)3 (Age)	((BP)3 (C)1 with (MHR)1 (BS)4) with (OP)4 (Age)
Patient one	0.94	0.94	0.94	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.88	0.88	0.88	0.90	0.90	0.90	0.90	0.90
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00
Patient Nine	0.86	0.86	0.86	1.00	0.90	0.90	0.90	1.00

Follow table 16: (The resultant ((BP)3 (C)1 with ((MHR)1 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4
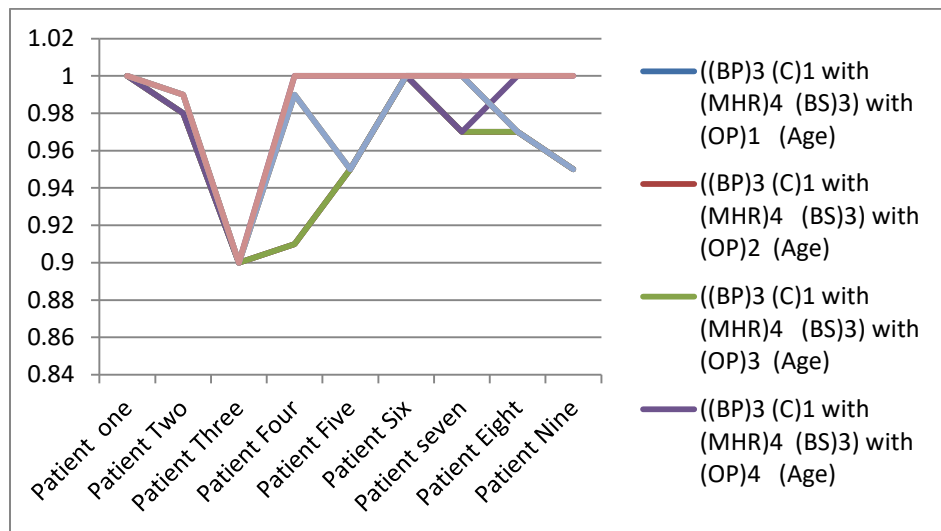

Figure 69: (The resultant ((BP)3 (C)1 with ((MHR)1 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

	((BP)3 (C)1 with (MHR)2 (BS)1) with (OP)1 (Age)	((BP)3 (C)1 with (MHR)2 (BS)1) with (OP)2 (Age)	((BP)3 (C)1 with (MHR)2 (BS)1) with (OP)3 (Age)	((BP)3 (C)1 with (MHR)2 (BS)1) with (OP)4 (Age)	((BP)3 (C)1 with (MHR)2 (BS)2 with (OP)1 (Age)	((BP)3 (C)1 with (MHR)2 (BS)2) with (OP)2 (Age)	((BP)3 (C)1 with (MHR)2 (BS)2) with (OP)3 (Age)	((BP)3 (C)1 with (MHR)2 (BS)2) with (OP)4 (Age)
Patient one	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00
Patient Two	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Patient Three	0.88	0.88	0.88	0.90	0.88	0.88	0.88	0.90
Patient Four	0.88	0.88	0.88	1.00	0.88	0.88	0.88	1.00
Patient Five	0.82	0.82	0.82	1.00	0.82	0.82	0.82	1.00
Patient Six	0.94	0.94	0.94	1.00	0.95	0.95	0.95	1.00
Patient seven	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Patient Eight	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00
Patient Nine	0.81	0.81	0.81	1.00	0.81	0.81	0.81	1.00

Follow table 16: (The resultant ((BP)3 (C)1 with ((MHR)2 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4
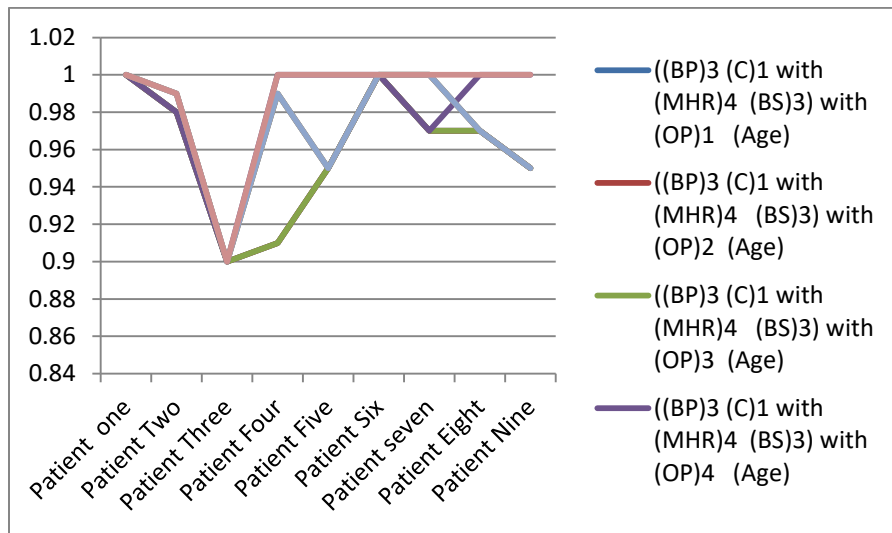

Figure 70: (The resultant ((BP)3 (C)1 with ((MHR)2 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	((BP)3 (C)1 with (MHR)2 (BS)3) with (OP)1 (Age)	((BP)3 (C)1 with (MHR)2 (BS)3) with (OP)2 (Age)	((BP)3 (C)1 with (MHR)2 (BS)3) with (OP)3 (Age)	((BP)3 (C)1 with (MHR)2 (BS)3) with (OP)4 (Age)	((BP)3 (C)1 with (MHR)2 (BS)4) with (OP)1 (Age)	((BP)3 (C)1 with (MHR)2 (BS)4) with (OP)2 (Age)	((BP)3 (C)1 with (MHR)2 (BS)4) with (OP)3 (Age)	((BP)3 (C)1 with (MHR)2 (BS)4) with (OP)4 (Age)
Patient one	0.94	0.94	0.94	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.88	0.88	0.88	0.90	0.90	0.90	0.90	0.90
Patient Four	0.91	0.91	0.91	0.99	0.99	0.99	0.99	0.99
Patient Five	0.90	0.90	0.90	0.92	0.92	0.92	0.92	0.92
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.94	0.94	0.94	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.86	0.86	0.86	1.00	0.90	0.90	0.90	1.00

Follow table 16: (The resultant ((BP)3 (C)1 with ((MHR)2 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4
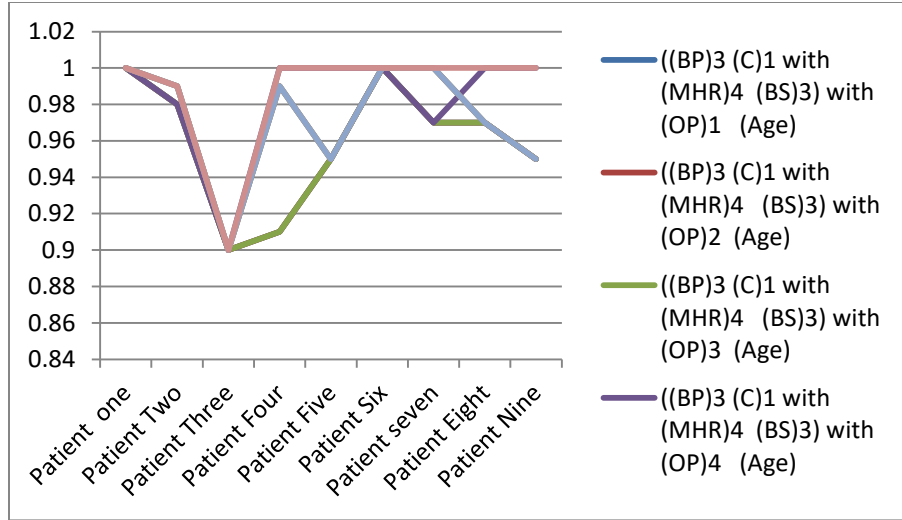
Figure 71: (The resultant ((BP)3 (C)1 with ((MHR)2 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

	((BP)3 (C)1 with (MHR)3 (BS)1) with (OP)1 (Age)	((BP)3 (C)1 with (MHR)3 (BS)1) with (OP)2 (Age)	((BP)3 (C)1 with (MHR)3 (BS)1) with (OP)3 (Age)	((BP)3 (C)1 with (MHR)3 (BS)1) with (OP)4 (Age)	((BP)3 (C)1 with (MHR)3 (BS)2 with (OP)1 (Age)	((BP)3 (C)1 with (MHR)3 (BS)2) with (OP)2 (Age)	((BP)3 (C)1 with (MHR)3 (BS)2) with (OP)3 (Age)	((BP)3 (C)1 with (MHR)3 (BS)2) with (OP)4 (Age)
Patient one	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00
Patient Two	0.90	0.90	0.94	0.97	0.90	0.90	0.94	0.97
Patient Three	0.88	0.88	0.88	0.90	0.88	0.88	0.88	0.90
Patient Four	0.88	0.88	0.88	1.00	0.88	0.88	0.88	1.00
Patient Five	0.82	0.82	0.82	1.00	0.82	0.82	0.82	1.00
Patient Six	0.94	0.94	0.94	1.00	0.95	0.95	0.95	1.00
Patient seven	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Patient Eight	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Nine	0.90	0.90	0.90	1.00	0.90	0.90	0.90	1.00

Follow table16: (The resultant ((BP)3 (C)1 with ((MHR)3 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4
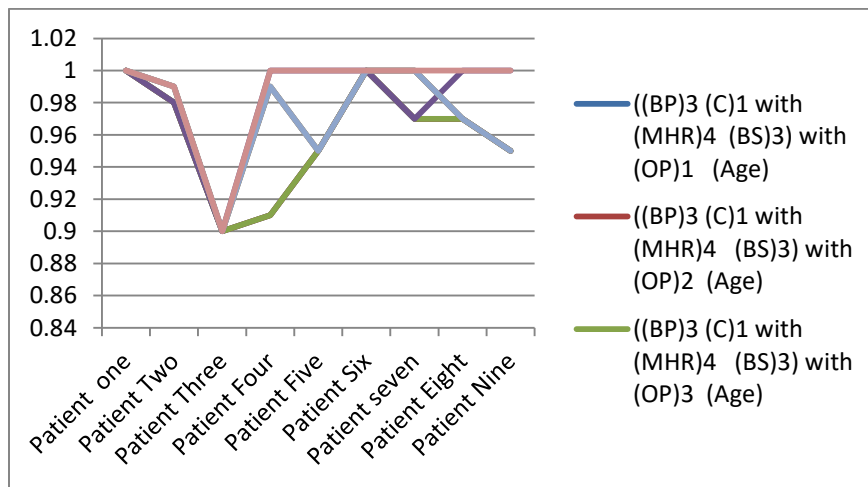

Figure 72: (The resultant ((BP)3 (C)1 with ((MHR)3 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

	((BP)3 (C)1 with (MHR)3 (BS)3) with (OP)1 (Age)	((BP)3 (C)1 with (MHR)3 (BS)3) with (OP)2 (Age)	((BP)3 (C)1 with (MHR)3 (BS)3) with (OP)3 (Age)	((BP)3 (C)1 with (MHR)3 (BS)3) with (OP)4 (Age)	((BP)3 (C)1 with (MHR)3 (BS)4 with (OP)1 (Age)	((BP)3 (C)1 with (MHR)3 (BS)4) with (OP)2 (Age)	((BP)3 (C)1 with (MHR)3 (BS)4) with (OP)3 (Age)	((BP)3 (C)1 with (MHR)3 (BS)4) with (OP)4 (Age)
Patient one	0.94	0.94	0.94	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.88	0.88	0.88	0.90	0.90	0.90	0.90	0.90
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient Eight	0.95	0.95	0.95	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.90	0.90	0.90	1.00	0.90	0.90	0.90	1.00

Follow table 16: (The resultant ((BP)3 (C)1 with ((MHR)3 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4


Figure 73 : (The resultant ((BP)3 (C)1 with ((MHR)3 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	((BP)3 (C)1 with (MHR)4 (BS)1) with (OP)1 (Age)	((BP)3 (C)1 with (MHR)4 (BS)1) with (OP)2 (Age)	((BP)3 (C)1 with (MHR)4 (BS)1) with (OP)3 (Age)	((BP)3 (C)1 with (MHR)4 (BS)1) with (OP)4 (Age)	((BP)3 (C)1 with (MHR)4 (BS)2 with (OP)1 (Age)	((BP)3 (C)1 with (MHR)4 (BS)2) with (OP)2 (Age)	((BP)3 (C)1 with (MHR)4 (BS)2) with (OP)3 (Age)	((BP)3 (C)1 with (MHR)4 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.97	0.97	0.97	0.97
Patient Three	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Patient Four	0.88	0.88	0.88	1.00	0.88	0.88	0.88	1.00
Patient Five	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00

Follow table 16: (The resultant ((BP)3 (C)1 with ((MHR)4 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4
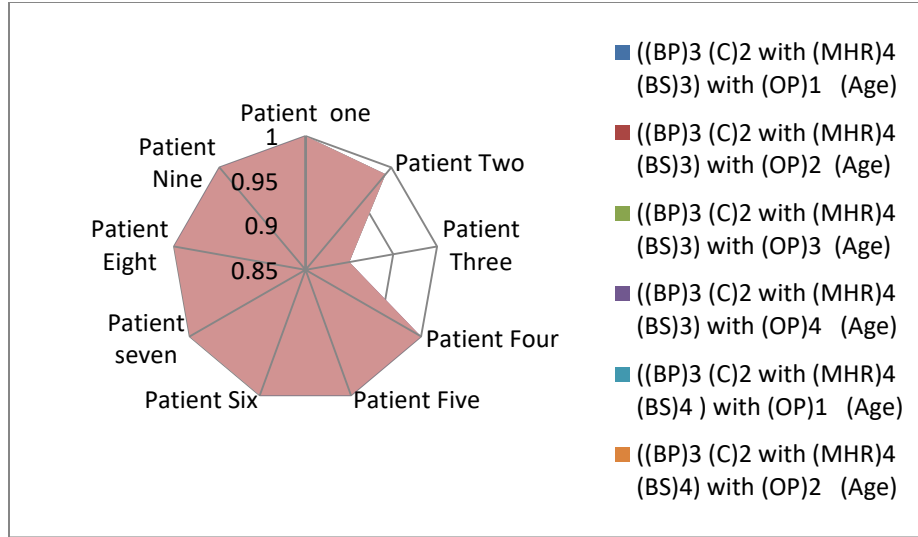
Figure 74: (The resultant ((BP)3 (C)1 with ((MHR)4 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

	((BP)3 (C)1 with (MHR)4 (BS)3) with (OP)1 (Age)	((BP)3 (C)1 with (MHR)4 (BS)3) with (OP)2 (Age)	((BP)3 (C)1 with (MHR)4 (BS)3) with (OP)3 (Age)	((BP)3 (C)1 with (MHR)4 (BS)3) with (OP)4 (Age)	((BP)3 (C)1 with (MHR)4 (BS)4) with (OP)1 (Age)	((BP)3 (C)1 with (MHR)4 (BS)4) with (OP)2 (Age)	((BP)3 (C)1 with (MHR)4 (BS)4) with (OP)3 (Age)	((BP)3 (C)1 with (MHR)4 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00

Follow table 16: (The resultant ((BP)3 (C)1 with ((MHR)4 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4
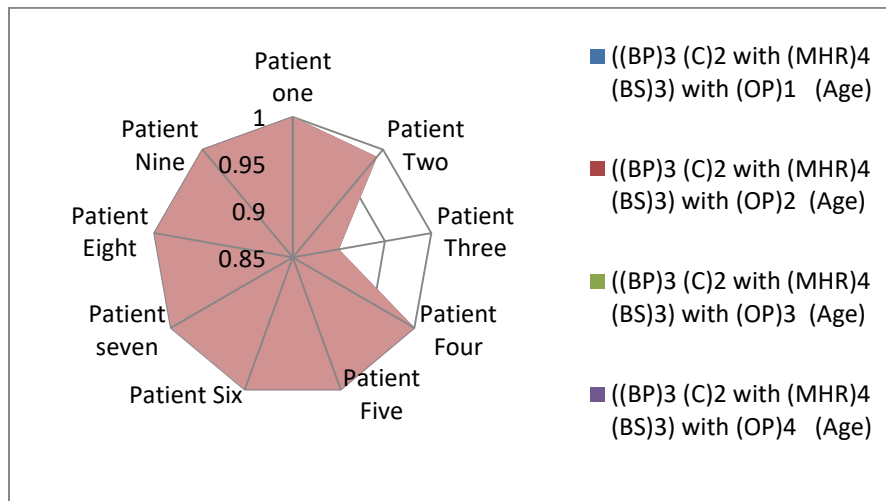

Figure 75: (The resultant ((BP)3 (C)1 with ((MHR)4 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

64

	((BP)3 (C)2 with (MHR)1 (BS)1) with (OP)1 (Age)	((BP)3 (C)2 with (MHR)1 (BS)1) with (OP)2 (Age)	((BP)3 (C)2 with (MHR)1 (BS)1) with (OP)3 (Age)	((BP)3 (C)2 with (MHR)1 (BS)1) with (OP)4 (Age)	((BP)3 (C)2 with (MHR)1 (BS)2 with (OP)1 (Age)	((BP)3 (C)2 with (MHR)1 (BS)2) with (OP)2 (Age)	((BP)3 (C)2 with (MHR)1 (BS)2) with (OP)3 (Age)	((BP)3 (C)2 with (MHR)1 (BS)2) with (OP)4 (Age)
Patient one	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00
Patient Two	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Patient Three	0.88	0.88	0.88	0.90	0.88	0.88	0.88	0.90
Patient Four	0.88	0.88	0.88	1.00	0.88	0.88	0.88	1.00
Patient Five	0.82	0.82	0.82	1.00	0.82	0.82	0.82	1.00
Patient Six	0.97	0.97	0.97	1.00	0.95	0.95	0.95	1.00
Patient seven	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Patient Eight	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00
Patient Nine	0.76	0.76	0.80	1.00	0.76	0.76	0.80	1.00

Table 17: (The resultant ((BP)3 (C)2 with ((MHR)1 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4
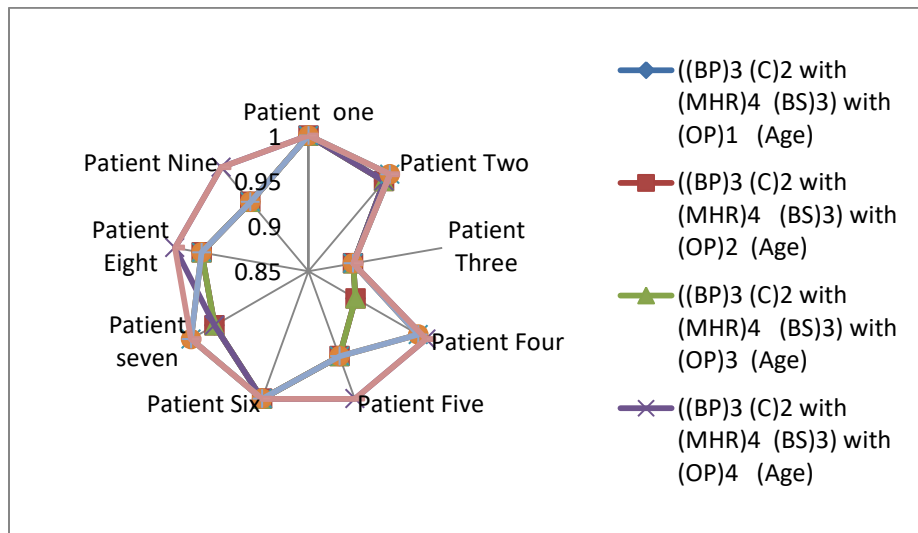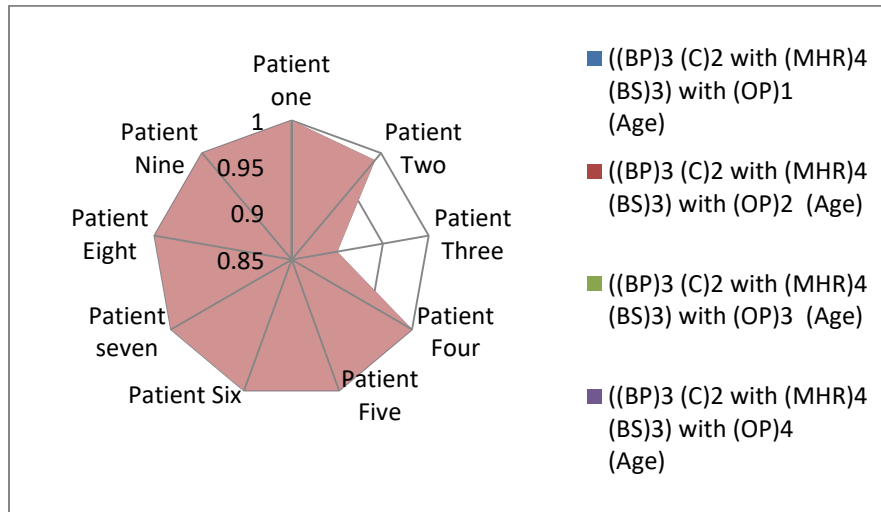

Figure 76: (The resultant ((BP)3 (C)2 with ((MHR)1 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

	((BP)3 (C)2 with (MHR)1 (BS)3) with (OP)1 (Age)	((BP)3 (C)2 with (MHR)1 (BS)3) with (OP)2 (Age)	((BP)3 (C)2 with (MHR)1 (BS)3) with (OP)3 (Age)	((BP)3 (C)2 with (MHR)1 (BS)3) with (OP)4 (Age)	((BP)3 (C)2 with (MHR)1 (BS)4 with (OP)1 (Age)	((BP)3 (C)2 with (MHR)1 (BS)4) with (OP)2 (Age)	((BP)3 (C)2 with (MHR)1 (BS)4) with (OP)3 (Age)	((BP)3 (C)2 with (MHR)1 (BS)4) with (OP)4 (Age)
Patient one	0.94	0.94	0.94	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.88	0.88	0.88	0.90	0.90	0.90	0.90	0.90
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Patient Nine	0.86	0.86	0.86	0.90	0.86	0.86	0.86	0.90

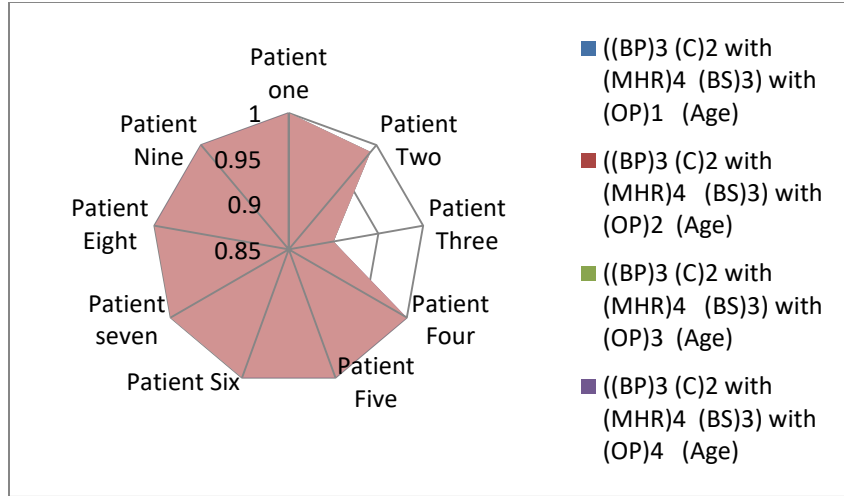Follow table 17: (The resultant ((BP)3 (C)2 with ((MHR)1 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

Figure 77: (The resultant ((BP)3 (C)2 with ((MHR)1 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	((BP)3 (C)2 with (MHR)2 (BS)1) with (OP)1 (Age)	((BP)3 (C)2 with (MHR)2 (BS)1) with (OP)2 (Age)	((BP)3 (C)2 with (MHR)2 (BS)1) with (OP)3 (Age)	((BP)3 (C)2 with (MHR)2 (BS)1) with (OP)4 (Age)	((BP)3 (C)2 with (MHR)2 (BS)2 with (OP)1 (Age)	((BP)3 (C)2 with (MHR)2 (BS)2) with (OP)2 (Age)	((BP)3 (C)2 with (MHR)2 (BS)2) with (OP)3 (Age)	((BP)3 (C)2 with (MHR)2 (BS)2) with (OP)4 (Age)
Patient one	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00
Patient Two	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Patient Three	0.88	0.88	0.88	0.90	0.88	0.88	0.88	0.90
Patient Four	0.88	0.88	0.88	1.00	0.88	0.88	0.88	1.00
Patient Five	0.82	0.82	0.82	1.00	0.82	0.82	0.82	1.00
Patient Six	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient seven	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Patient Eight	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00
Patient Nine	0.81	0.81	0.81	1.00	0.81	0.81	0.81	1.00

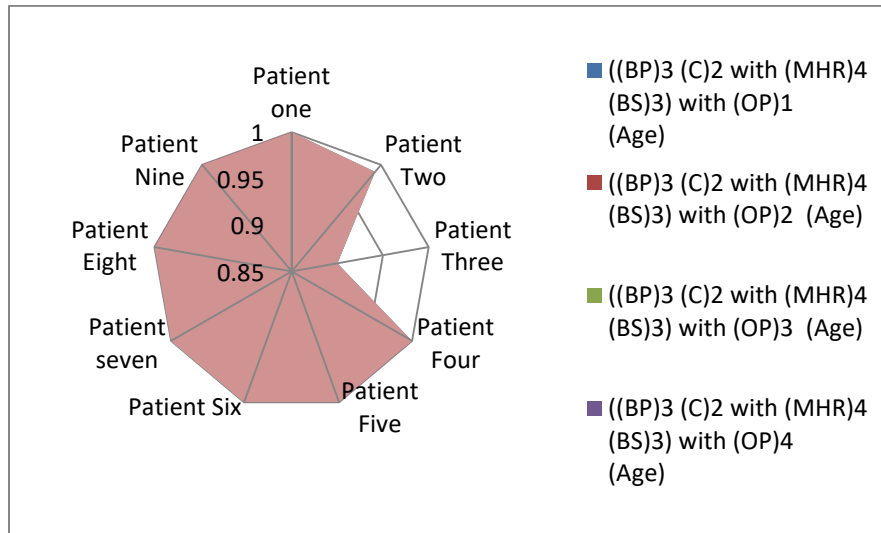Follow table 17: (The resultant ((BP)3 (C)2 with ((MHR)2 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

Figure 78: (The resultant ((BP)3 (C)2 with ((MHR)2 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	((BP)3 (C)2 with (MHR)2 (BS)3) with (OP)1 (Age)	((BP)3 (C)2 with (MHR)2 (BS)3) with (OP)2 (Age)	((BP)3 (C)2 with (MHR)2 (BS)3) with (OP)3 (Age)	((BP)3 (C)2 with (MHR)2 (BS)3) with (OP)4 (Age)	((BP)3 (C)2 with (MHR)2 (BS)4) with (OP)1 (Age)	((BP)3 (C)2 with (MHR)2 (BS)4) with (OP)2 (Age)	((BP)3 (C)2 with (MHR)2 (BS)4) with (OP)3 (Age)	((BP)3 (C)2 with (MHR)2 (BS)4) with (OP)4 (Age)
Patient one	0.94	0.94	0.94	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Patient Three	0.88	0.88	0.94	0.90	0.90	0.90	0.90	0.90
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.94	0.94	0.94	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.86	0.86	0.86	1.00	0.90	0.90	0.90	1.00

Follow table 17: (The resultant ((BP)3 (C)2 with ((MHR)2 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4
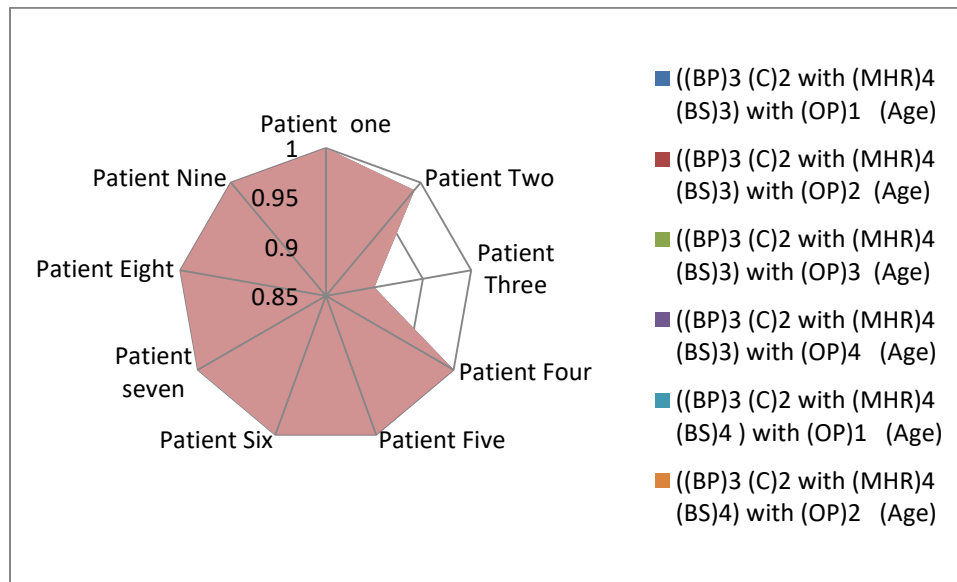

Figure 79: (The resultant ((BP)3 (C)2 with ((MHR)2 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

	((BP)3 (C)2 with (MHR)3 (BS)1) with (OP)1 (Age)	((BP)3 (C)2 with (MHR)3 (BS)1) with (OP)2 (Age)	((BP)3 (C)2 with (MHR)3 (BS)1) with (OP)3 (Age)	((BP)3 (C)2 with (MHR)3 (BS)1) with (OP)4 (Age)	((BP)3 (C)2 with (MHR)3 (BS)2) with (OP)1 (Age)	((BP)3 (C)2 with (MHR)3 (BS)2) with (OP)2 (Age)	((BP)3 (C)2 with (MHR)3 (BS)2) with (OP)3 (Age)	((BP)3 (C)2 with (MHR)3 (BS)2) with (OP)4 (Age)
Patient one	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00
Patient Two	0.90	0.90	0.94	0.97	0.97	0.97	0.97	0.97
Patient Three	0.88	0.88	0.88	0.90	0.88	0.88	0.88	0.90
Patient Four	0.88	0.88	0.88	1.00	0.88	0.88	0.88	1.00
Patient Five	0.82	0.82	0.82	1.00	0.82	0.82	0.82	1.00
Patient Six	0.97	0.97	0.97	1.00	0.95	0.95	0.95	1.00
Patient seven	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Patient Eight	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Nine	0.90	0.90	0.90	1.00	0.90	0.90	0.90	1.00

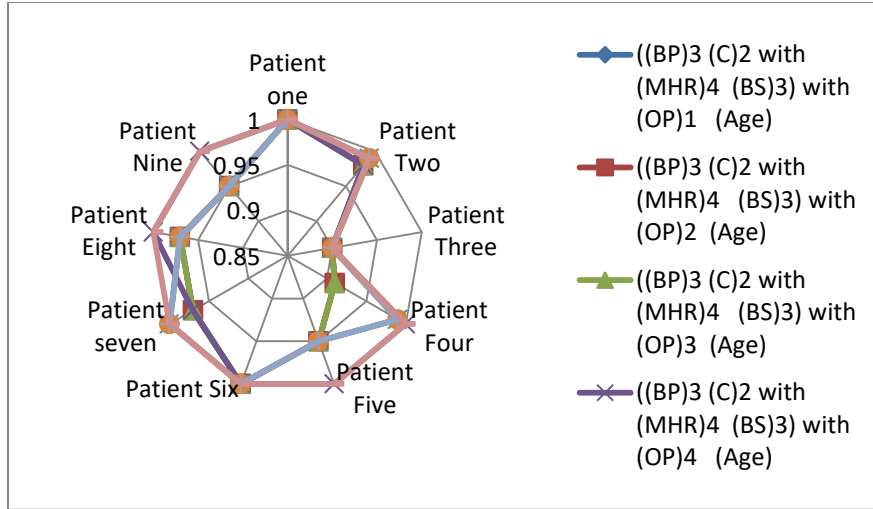Follow table 17: (The resultant ((BP)3 (C)2 with ((MHR)3 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

Figure 80: (The resultant ((BP)3 (C)2 with ((MHR)3 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	((BP)3 (C)2 with (MHR)3 (BS)3) with (OP)1 (Age)	((BP)3 (C)2 with (MHR)3 (BS)3) with (OP)2 (Age)	((BP)3 (C)2 with (MHR)3 (BS)3) with (OP)3 (Age)	((BP)3 (C)2 with (MHR)3 (BS)3) with (OP)4 (Age)	((BP)3 (C)2 with (MHR)3 (BS)4 with (OP)1 (Age)	((BP)3 (C)2 with (MHR)3 (BS)4) with (OP)2 (Age)	((BP)3 (C)2 with (MHR)3 (BS)4) with (OP)3 (Age)	((BP)3 (C)2 with (MHR)3 (BS)4) with (OP)4 (Age)
Patient one	0.94	0.94	0.94	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.88	0.88	0.88	0.90	0.90	0.90	0.90	0.90
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.95	0.95	0.95	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.90	0.90	0.90	1.00	0.90	0.90	0.90	1.00

Follow table 17: (The resultant ((BP)3 (C)2 with ((MHR)3 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4
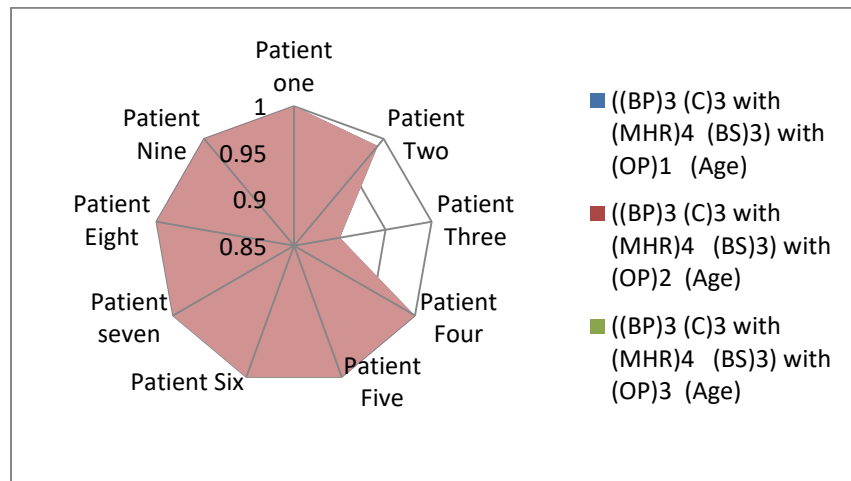

Figure 81: (The resultant ((BP)3 (C)2 with ((MHR)3 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	((BP)3 (C)2 with (MHR)4 (BS)1) with (OP)1 (Age)	((BP)3 (C)2 with (MHR)4 (BS)1) with (OP)2 (Age)	((BP)3 (C)2 with (MHR)4 (BS)1) with (OP)3 (Age)	((BP)3 (C)2 with (MHR)4 (BS)1) with (OP)4 (Age)	((BP)3 (C)2 with (MHR)4 (BS)2 with (OP)1 (Age)	((BP)3 (C)2 with (MHR)4 (BS)2) with (OP)2 (Age)	((BP)3 (C)2 with (MHR)4 (BS)2) with (OP)3 (Age)	((BP)3 (C)2 with (MHR)4 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.97	0.97	0.97	0.97
Patient Three	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Patient Four	0.88	0.88	0.88	1.00	0.88	0.88	0.88	1.00
Patient Five	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00

Follow table 17: (The resultant ((BP)3 (C)2 with ((MHR)4 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4
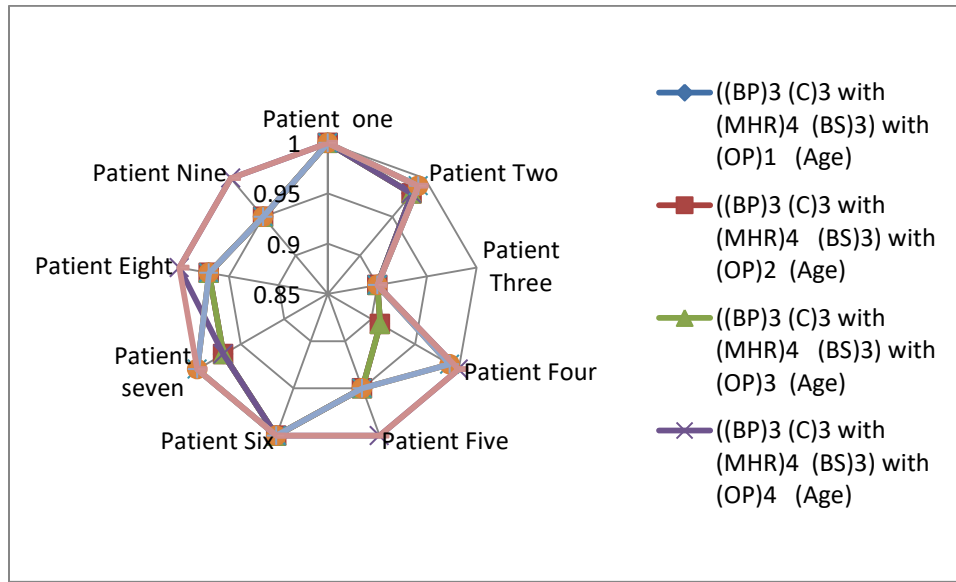

Figure 82: (The resultant ((BP)3 (C)2 with ((MHR)4 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	((BP)3 (C)2 with (MHR)4 (BS)3) with (OP)1 (Age)	((BP)3 (C)2 with (MHR)4 (BS)3) with (OP)2 (Age)	((BP)3 (C)2 with (MHR)4 (BS)3) with (OP)3 (Age)	((BP)3 (C)2 with (MHR)4 (BS)3) with (OP)4 (Age)	((BP)3 (C)2 with (MHR)4 (BS)4) with (OP)1 (Age)	((BP)3 (C)2 with (MHR)4 (BS)4) with (OP)2 (Age)	((BP)3 (C)2 with (MHR)4 (BS)4) with (OP)3 (Age)	((BP)3 (C)2 with (MHR)4 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00

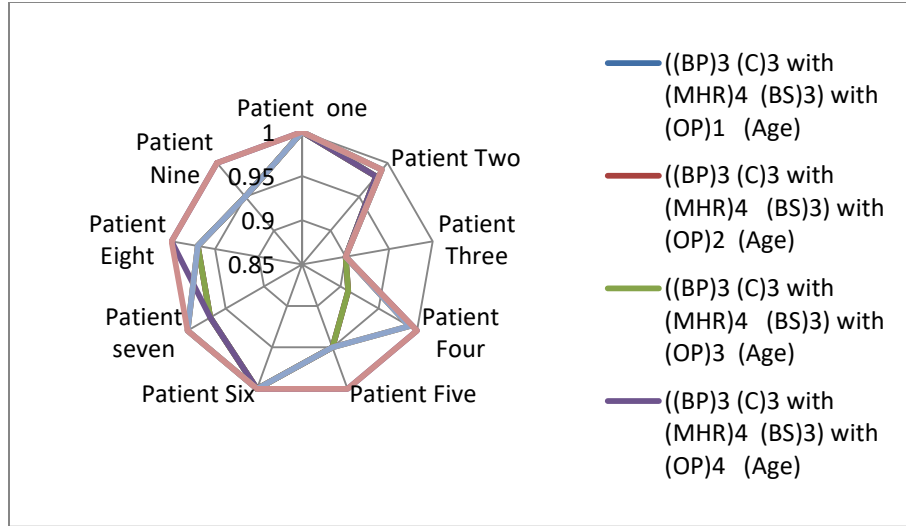Follow table 17: (The resultant ((BP)3 (C)2 with ((MHR)4 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

Figure 83: (The resultant ((BP)3 (C)2 with ((MHR)4 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

	((BP)3 (C)3 with (MHR)1 (BS)1) with (OP)1 (Age)	((BP)3 (C)3 with (MHR)1 (BS)1) with (OP)2 (Age)	((BP)3 (C)3 with (MHR)1 (BS)1) with (OP)3 (Age)	((BP)3 (C)3 with (MHR)1 (BS)1) with (OP)4 (Age)	((BP)3 (C)3 with (MHR)1 (BS)2 with (OP)1 (Age)	((BP)3 (C)3 with (MHR)1 (BS)2) with (OP)2 (Age)	((BP)3 (C)3 with (MHR)1 (BS)2) with (OP)3 (Age)	((BP)3 (C)3 with (MHR)1 (BS)2) with (OP)4 (Age)
Patient one	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00
Patient Two	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Patient Three	0.88	0.88	0.88	0.90	0.88	0.88	0.88	0.90
Patient Four	0.88	0.88	0.88	1.00	0.88	0.88	0.88	1.00
Patient Five	0.83	0.83	0.83	1.00	0.83	0.83	0.83	1.00
Patient Six	0.94	0.94	0.94	1.00	0.95	0.95	0.95	1.00
Patient seven	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Patient Eight	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00
Patient Nine	0.86	0.86	0.86	1.00	0.86	0.86	0.86	1.00

Table 18: (The resultant ((BP)3 (C)3 with ((MHR)1 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

Figure 84: (The resultant ((BP)3 (C)3 with ((MHR)1 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

	((BP)3 (C)3 with (MHR)1 (BS)3) with (OP)1 (Age)	((BP)3 (C)3 with (MHR)1 (BS)3) with (OP)2 (Age)	((BP)3 (C)3 with (MHR)1 (BS)3) with (OP)3 (Age)	((BP)3 (C)3 with (MHR)1 (BS)3) with (OP)4 (Age)	((BP)3 (C)3 with (MHR)1 (BS)4 with (OP)1 (Age)	((BP)3 (C)3 with (MHR)1 (BS)4) with (OP)2 (Age)	((BP)3 (C)3 with (MHR)1 (BS)4) with (OP)3 (Age)	((BP)3 (C)3 with (MHR)1 (BS)4) with (OP)4 (Age)
Patient one	0.94	0.94	0.94	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.88	0.88	0.88	0.90	0.90	0.90	0.90	0.90
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00
Patient Nine	0.86	0.86	0.86	1.00	0.86	0.86	0.86	1.00

Follow table 18: (The resultant ((BP)3 (C)3 with ((MHR)1 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4
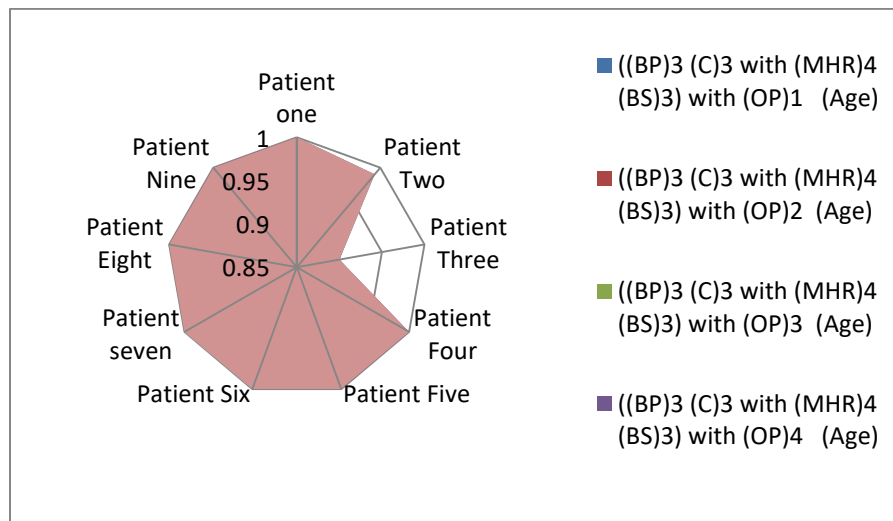

Figure 85: (The resultant ((BP)3 (C)3 with ((MHR)1 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	((BP)3 (C)3 with (MHR)2 (BS)1) with (OP)1 (Age)	((BP)3 (C)3 with (MHR)2 (BS)1) with (OP)2 (Age)	((BP)3 (C)3 with (MHR)2 (BS)1) with (OP)3 (Age)	((BP)3 (C)3 with (MHR)2 (BS)1) with (OP)4 (Age)	((BP)3 (C)3 with (MHR)2 (BS)2 with (OP)1 (Age)	((BP)3 (C)3 with (MHR)2 (BS)2) with (OP)2 (Age)	((BP)3 (C)3 with (MHR)2 (BS)2) with (OP)3 (Age)	((BP)3 (C)3 with (MHR)2 (BS)2) with (OP)4 (Age)
Patient one	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00
Patient Two	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Patient Three	0.88	0.88	0.88	0.90	0.88	0.88	0.88	0.90
Patient Four	0.88	0.88	0.88	1.00	0.88	0.88	0.88	1.00
Patient Five	0.83	0.83	0.83	1.00	0.83	0.83	0.83	1.00
Patient Six	0.94	0.94	0.94	1.00	0.95	0.95	0.95	1.00
Patient seven	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Patient Eight	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00
Patient Nine	0.81	0.81	0.81	1.00	0.81	0.81	0.81	1.00

Follow table 18: (The resultant ((BP)3 (C)3 with ((MHR)2 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4
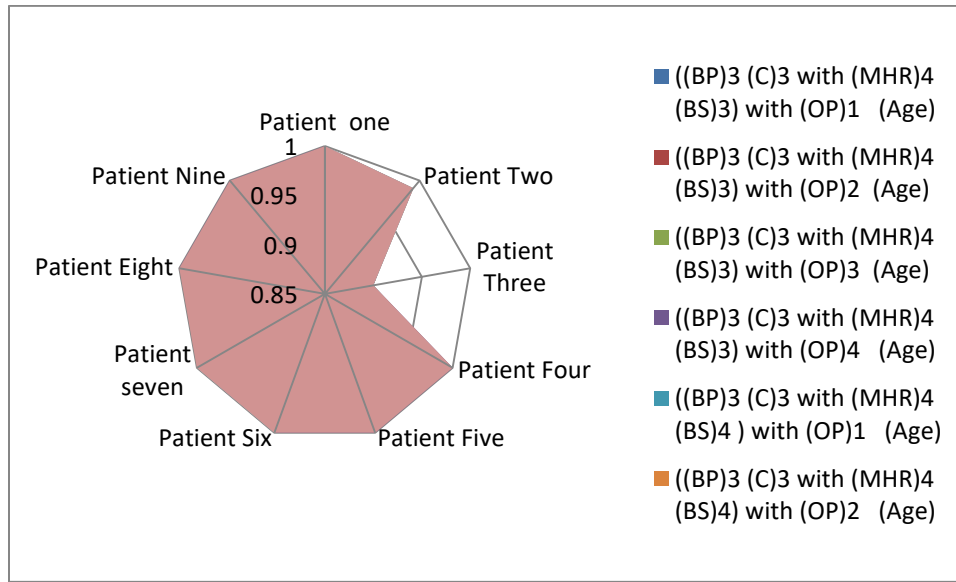
Figure 86: (The resultant ((BP)3 (C)3 with ((MHR)2 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	((BP)3 (C)3 with (MHR)2 (BS)3) with (OP)1 (Age)	((BP)3 (C)3 with (MHR)2 (BS)3) with (OP)2 (Age)	((BP)3 (C)3 with (MHR)2 (BS)3) with (OP)3 (Age)	((BP)3 (C)3 with (MHR)2 (BS)3) with (OP)4 (Age)	((BP)3 (C)3 with (MHR)2 (BS)4) with (OP)1 (Age)	((BP)3 (C)3 with (MHR)2 (BS)4) with (OP)2 (Age)	((BP)3 (C)3 with (MHR)2 (BS)4) with (OP)3 (Age)	((BP)3 (C)3 with (MHR)2 (BS)4) with (OP)4 (Age)
Patient one	0.94	0.94	0.94	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.88	0.88	0.88	0.90	0.90	0.90	0.90	0.90
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.94	0.94	0.94	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.86	0.86	0.86	1.00	0.90	0.90	0.90	1.00

Follow table 18: (The resultant ((BP)3 (C)3 with ((MHR)2 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4
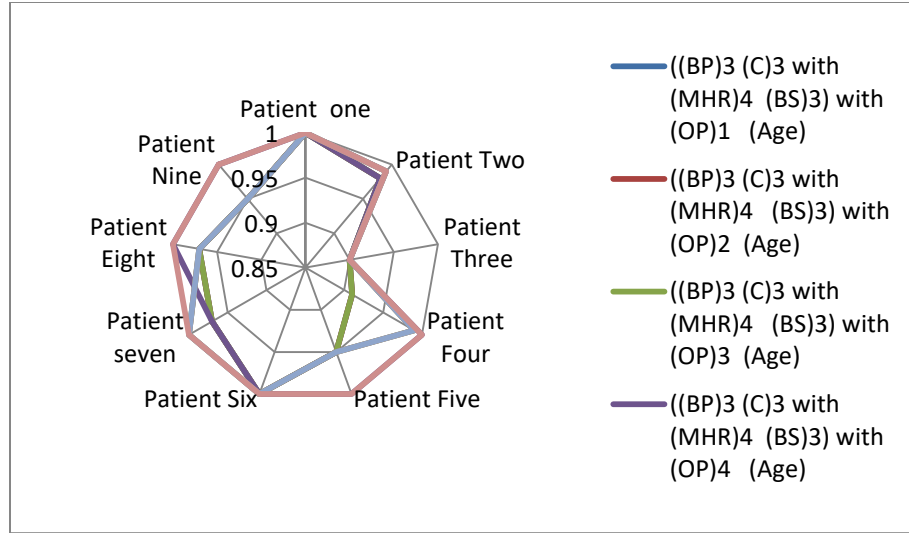

Figure 87: (The resultant ((BP)3 (C)3 with ((MHR)2 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	((BP)3 (C)3 with (MHR)3 (BS)1) with (OP)1 (Age)	((BP)3 (C)3 with (MHR)3 (BS)1) with (OP)2 (Age)	((BP)3 (C)3 with (MHR)3 (BS)1) with (OP)3 (Age)	((BP)3 (C)3 with (MHR)3 (BS)1) with (OP)4 (Age)	((BP)3 (C)3 with (MHR)3 (BS)2 with (OP)1 (Age)	((BP)3 (C)3 with (MHR)3 (BS)2) with (OP)2 (Age)	((BP)3 (C)3 with (MHR)3 (BS)2) with (OP)3 (Age)	((BP)3 (C)3 with (MHR)3 (BS)2) with (OP)4 (Age)
Patient one	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00
Patient Two	0.90	0.90	0.94	0.97	0.97	0.97	0.97	0.97
Patient Three	0.88	0.88	0.88	0.90	0.88	0.88	0.88	0.90
Patient Four	0.88	0.88	0.88	1.00	0.88	0.88	0.88	1.00
Patient Five	0.83	0.83	0.83	1.00	0.83	0.83	0.83	1.00
Patient Six	0.94	0.94	0.94	1.00	0.95	0.95	0.95	1.00
Patient seven	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Patient Eight	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Nine	0.90	0.90	0.90	1.00	0.90	0.90	0.90	1.00

Follow table 18: (The resultant ((BP)3 (C)3 with ((MHR)3 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4
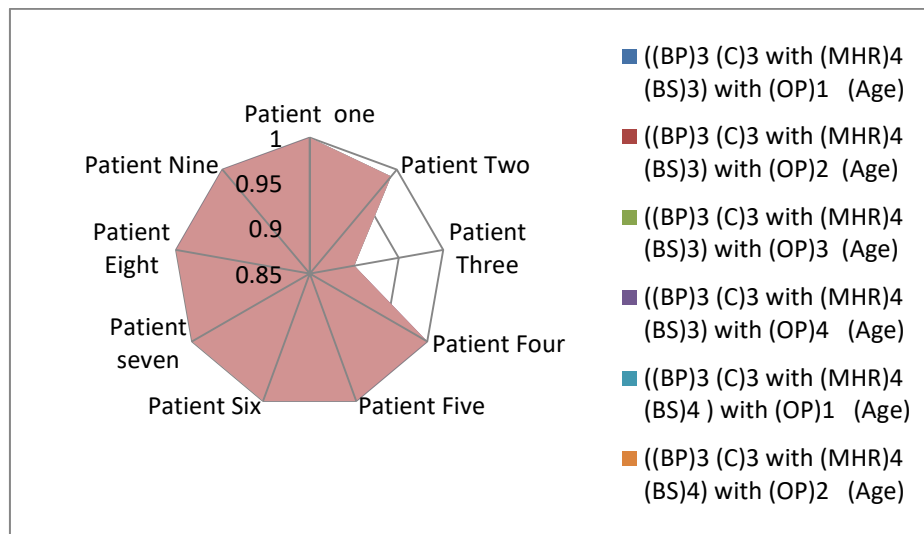

Figure 88: (The resultant ((BP)3 (C)3 with ((MHR)3 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	((BP)3 (C)3 with (MHR)3 (BS)3) with (OP)1 (Age)	((BP)3 (C)3 with (MHR)3 (BS)3) with (OP)2 (Age)	((BP)3 (C)3 with (MHR)3 (BS)3) with (OP)3 (Age)	((BP)3 (C)3 with (MHR)3 (BS)3) with (OP)4 (Age)	((BP)3 (C)3 with (MHR)3 (BS)4 with (OP)1 (Age)	((BP)3 (C)3 with (MHR)3 (BS)4) with (OP)2 (Age)	((BP)3 (C)3 with (MHR)3 (BS)4) with (OP)3 (Age)	((BP)3 (C)3 with (MHR)3 (BS)4) with (OP)4 (Age)
Patient one	0.94	0.94	0.94	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.88	0.88	0.88	0.90	0.90	0.90	0.90	0.90
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.95	0.95	0.95	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.90	0.90	0.90	1.00	0.90	0.90	0.90	1.00

Follow table 18: (The resultant ((BP)3 (C)3 with ((MHR)3 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4
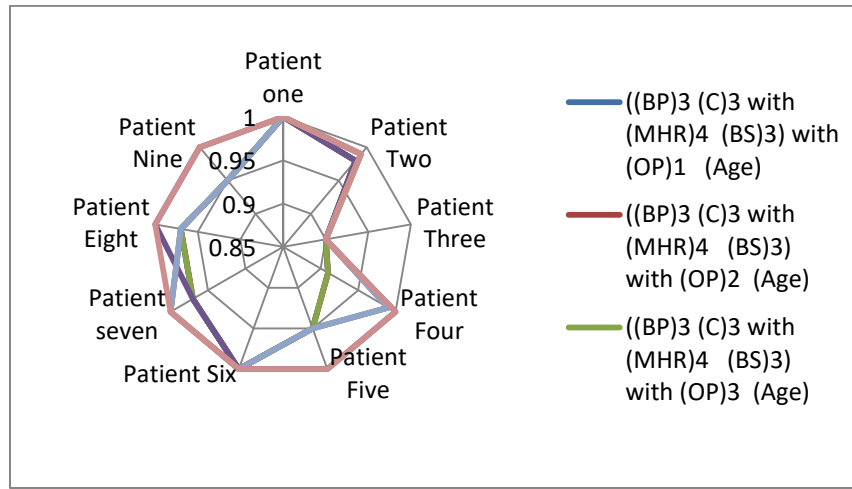
Figure 89: (The resultant ((BP)3 (C)3 with ((MHR)3 (BS)j, j=3,4 with (OP)i   (Age), i=1,2,3,4

	((BP)3 (C)3 with (MHR)4 (BS)1) with (OP)1 (Age)	((BP)3 (C)3 with (MHR)4 (BS)1) with (OP)2 (Age)	((BP)3 (C)3 with (MHR)4 (BS)1) with (OP)3 (Age)	((BP)3 (C)3 with (MHR)4 (BS)1) with (OP)4 (Age)	((BP)3 (C)3 with (MHR)4 (BS)2 with (OP)1 (Age)	((BP)3 (C)3 with (MHR)4 (BS)2) with (OP)2 (Age)	((BP)3 (C)3 with (MHR)4 (BS)2) with (OP)3 (Age)	((BP)3 (C)3 with (MHR)4 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.97	0.97	0.97	0.97
Patient Three	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Patient Four	0.88	0.88	0.88	1.00	0.88	0.88	0.88	1.00
Patient Five	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00

Follow table 18: (The resultant ((BP)3 (C)3 with ((MHR)4 (BS)j, j=1,2 with (OP)i   (Age), i=1,2,3,4

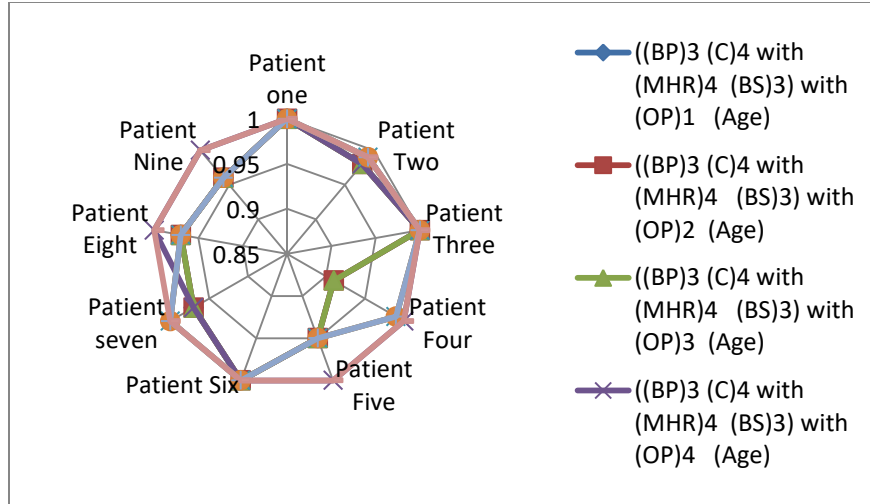Figure 90: (The resultant ((BP)3 (C)3 with ((MHR)4 (BS)j, j=1,2 with (OP)i   (Age), i=1,2,3,4

	((BP)3 (C)3 with (MHR)4 (BS)3) with (OP)1 (Age)	((BP)3 (C)3 with (MHR)4 (BS)3) with (OP)2 (Age)	((BP)3 (C)3 with (MHR)4 (BS)3) with (OP)3 (Age)	((BP)3 (C)3 with (MHR)4 (BS)3) with (OP)4 (Age)	((BP)3 (C)3 with (MHR)4 (BS)4) with (OP)1 (Age)	((BP)3 (C)3 with (MHR)4 (BS)4) with (OP)2 (Age)	((BP)3 (C)3 with (MHR)4 (BS)4) with (OP)3 (Age)	((BP)3 (C)3 with (MHR)4 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00

Follow table 18: (The resultant ((BP)3 (C)3 with ((MHR)4 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4
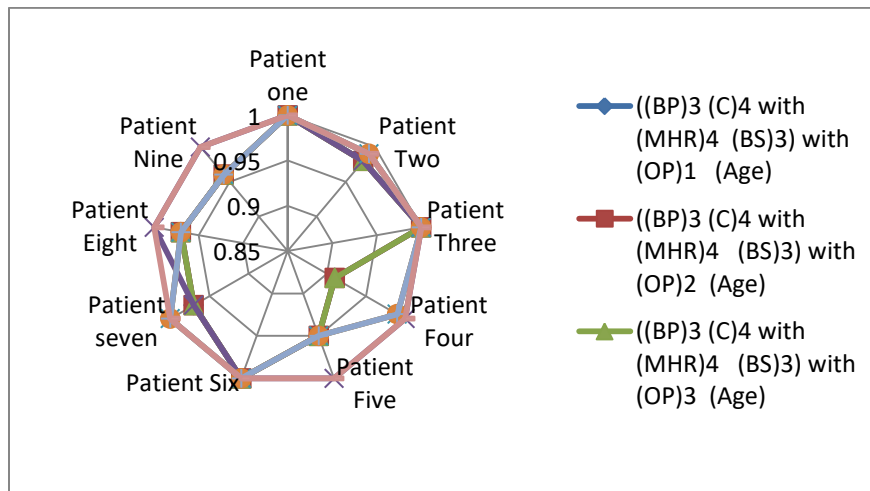

Figure 91: (The resultant ((BP)3 (C)3 with ((MHR)4 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	((BP)3 (C)4 with (MHR)1 (BS)1) with (OP)1 (Age)	((BP)3 (C)4 with (MHR)1 (BS)1) with (OP)2 (Age)	((BP)3 (C)4 with (MHR)1 (BS)1) with (OP)3 (Age)	((BP)3 (C)4 with (MHR)1 (BS)1) with (OP)4 (Age)	((BP)3 (C)4 with (MHR)1 (BS)2 with (OP)1 (Age)	((BP)3 (C)4 with (MHR)1 (BS)2) with (OP)2 (Age)	((BP)3 (C)4 with (MHR)1 (BS)2) with (OP)3 (Age)	((BP)3 (C)4 with (MHR)1 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.88	0.88	0.88	0.90	0.88	0.88	0.88	1.00
Patient Five	0.90	0.90	0.90	1.00	0.90	0.90	0.90	1.00
Patient Six	0.94	0.94	0.94	1.00	0.95	0.95	0.95	1.00
Patient seven	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Patient Eight	0.94	0.94	0.94	0.94	0.94	0.94	0.94	1.00
Patient Nine	0.96	0.96	0.96	1.00	0.96	0.96	0.96	1.00

Table 19: (The resultant ((BP)3 (C)4 with ((MHR)1 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4
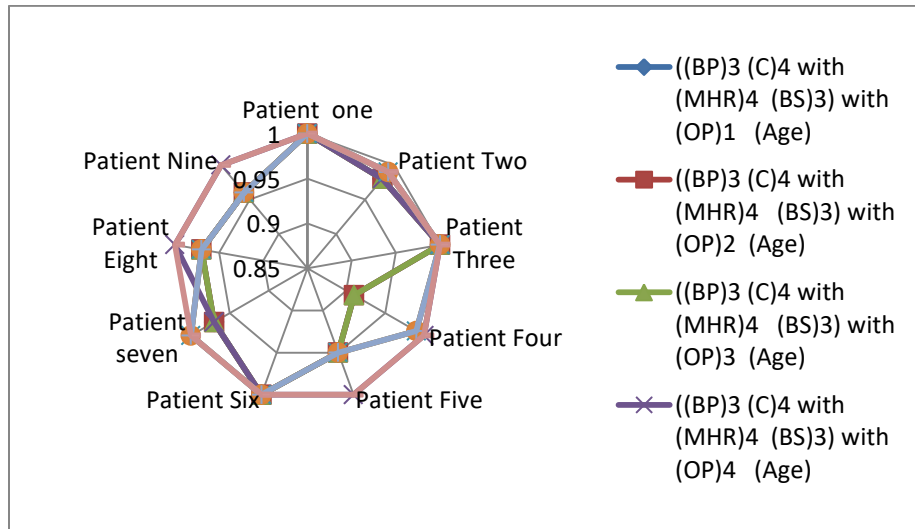
Figure 92: (The resultant ((BP)3 (C)4 with ((MHR)1 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	((BP)3 (C)4 with (MHR)1 (BS)3) with (OP)1 (Age)	((BP)3 (C)4 with (MHR)1 (BS)3) with (OP)2 (Age)	((BP)3 (C)4 with (MHR)1 (BS)3) with (OP)3 (Age)	((BP)3 (C)4 with (MHR)1 (BS)3) with (OP)4 (Age)	((BP)3 (C)4 with (MHR)1 (BS)4 with (OP)1 (Age)	((BP)3 (C)4 with (MHR)1 (BS)4) with (OP)2 (Age)	((BP)3 (C)4 with (MHR)1 (BS)4) with (OP)3 (Age)	((BP)3 (C)4 with (MHR)1 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00
Patient Nine	0.96	0.96	0.96	1.00	0.96	0.96	0.96	1.00

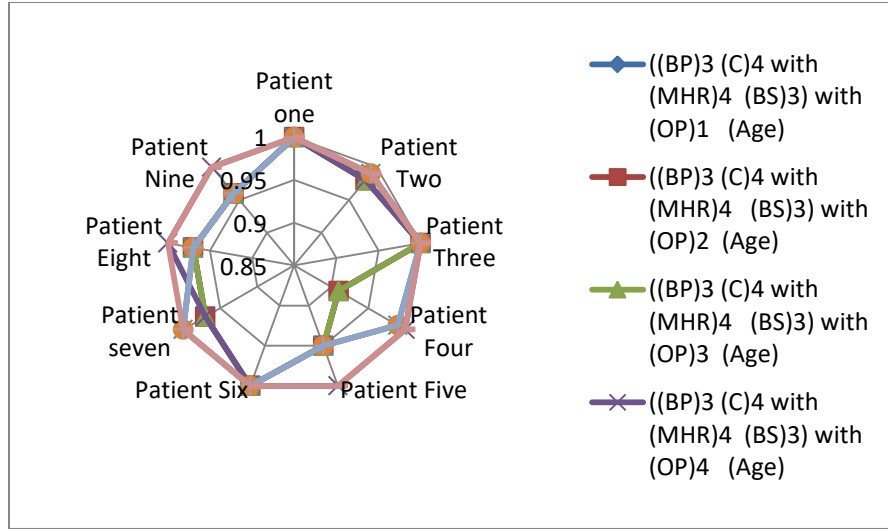Follow table 19: (The resultant ((BP)3 (C)4 with ((MHR)1 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

Figure 93: (The resultant ((BP)3 (C)4 with ((MHR)1 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	((BP)3 (C)4 with (MHR)2 (BS)1) with (OP)1 (Age)	((BP)3 (C)4 with (MHR)2 (BS)1) with (OP)2 (Age)	((BP)3 (C)4 with (MHR)2 (BS)1) with (OP)3 (Age)	((BP)3 (C)4 with (MHR)2 (BS)1) with (OP)4 (Age)	((BP)3 (C)4 with (MHR)2 (BS)2 with (OP)1 (Age)	((BP)3 (C)4 with (MHR)2 (BS)2) with (OP)2 (Age)	((BP)3 (C)4 with (MHR)2 (BS)2) with (OP)3 (Age)	((BP)3 (C)4 with (MHR)2 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.88	0.88	0.88	1.00	0.88	0.88	0.88	1.00
Patient Five	0.90	0.90	0.90	1.00	0.90	0.90	0.90	1.00
Patient Six	0.94	0.94	0.94	1.00	0.95	0.95	0.95	1.00
Patient seven	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Patient Eight	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00
Patient Nine	0.96	0.96	0.96	1.00	0.96	0.96	0.96	1.00

Follow table 19: (The resultant ((BP)3 (C)4 with ((MHR)2 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4
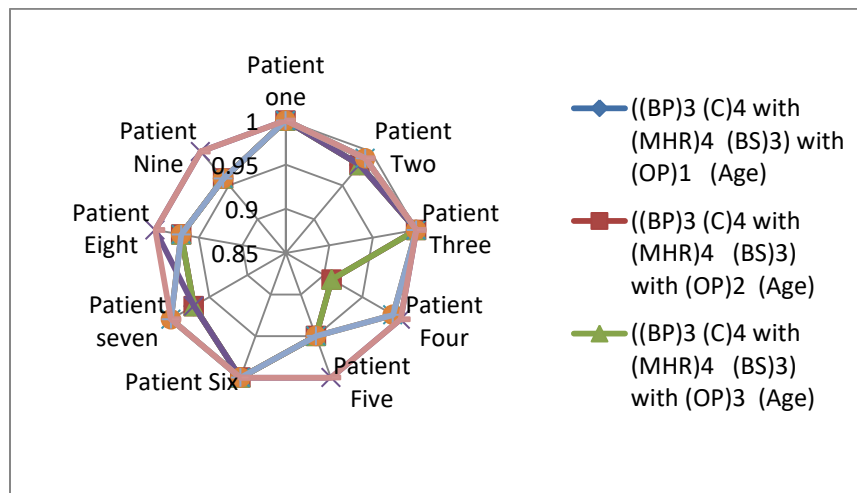

Figure 94: (The resultant ((BP)3 (C)4 with ((MHR)2 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	((BP)3 (C)4 with (MHR)2 (BS)3) with (OP)1 (Age)	((BP)3 (C)4 with (MHR)2 (BS)3) with (OP)2 (Age)	((BP)3 (C)4 with (MHR)2 (BS)3) with (OP)3 (Age)	((BP)3 (C)4 with (MHR)2 (BS)3) with (OP)4 (Age)	((BP)3 (C)4 with (MHR)2 (BS)4) with (OP)1 (Age)	((BP)3 (C)4 with (MHR)2 (BS)4) with (OP)2 (Age)	((BP)3 (C)4 with (MHR)2 (BS)4) with (OP)3 (Age)	((BP)3 (C)4 with (MHR)2 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.94	0.94	0.94	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.96	0.96	0.96	1.00	0.96	0.96	0.96	1.00

Follow table 19: (The resultant ((BP)3 (C)4 with ((MHR)2 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4
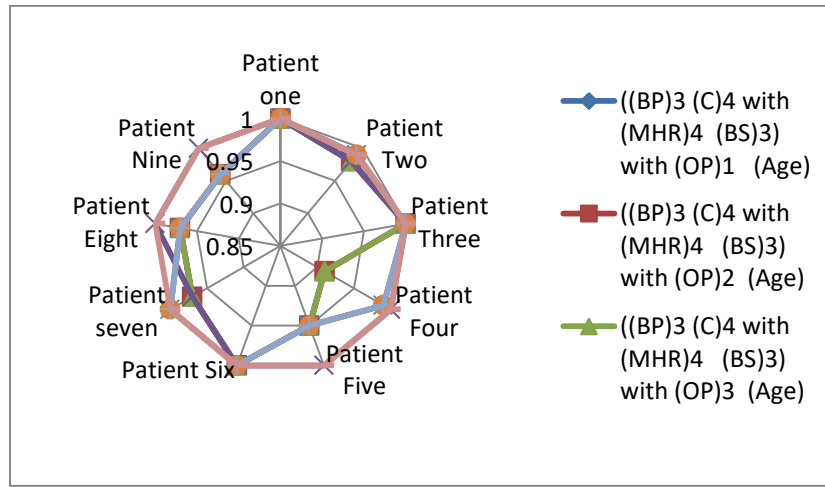
Figure 95: (The resultant ((BP)3 (C)4 with ((MHR)2 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	((BP)3 (C)4 with (MHR)3 (BS)1) with (OP)1 (Age)	((BP)3 (C)4 with (MHR)3 (BS)1) with (OP)2 (Age)	((BP)3 (C)4 with (MHR)3 (BS)1) with (OP)3 (Age)	((BP)3 (C)4 with (MHR)3 (BS)1) with (OP)4 (Age)	((BP)3 (C)4 with (MHR)3 (BS)2 with (OP)1 (Age)	((BP)3 (C)4 with (MHR)3 (BS)2) with (OP)2 (Age)	((BP)3 (C)4 with (MHR)3 (BS)2) with (OP)3 (Age)	((BP)3 (C)4 with (MHR)3 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.90	0.90	0.94	0.97	0.97	0.97	0.97	0.97
Patient Three	1.00	1.00	1.00	0.90	1.00	1.00	1.00	0.90
Patient Four	0.88	0.88	0.88	1.00	0.88	0.88	0.88	1.00
Patient Five	0.90	0.90	0.90	1.00	0.90	0.90	0.90	1.00
Patient Six	0.94	0.94	0.94	1.00	0.95	0.95	0.95	1.00
Patient seven	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Patient Eight	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Nine	0.96	0.96	0.96	1.00	0.96	0.96	0.96	1.00

Follow table 19: (The resultant ((BP)3 (C)4 with ((MHR)3 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4
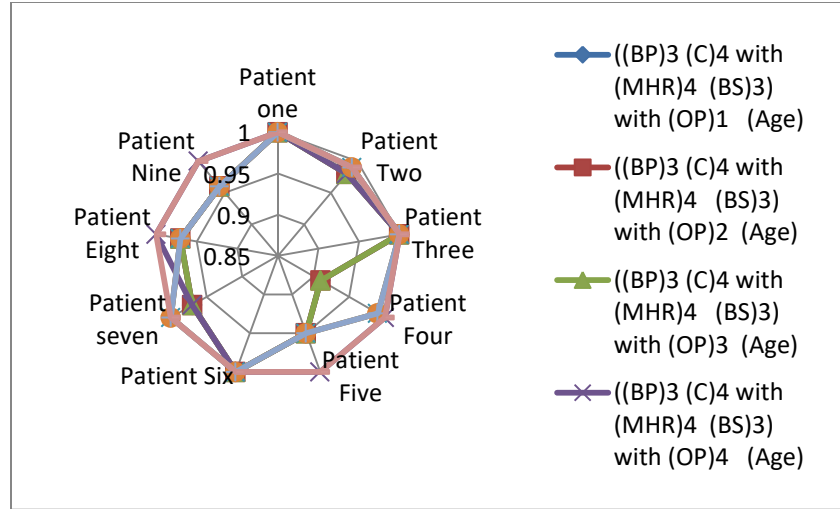

Figure 96: (The resultant ((BP)3 (C)4 with ((MHR)3 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	((BP)3 (C)4 with (MHR)3 (BS)3) with (OP)1 (Age)	((BP)3 (C)4 with (MHR)3 (BS)3) with (OP)2 (Age)	((BP)3 (C)4 with (MHR)3 (BS)3) with (OP)3 (Age)	((BP)3 (C)4 with (MHR)3 (BS)3) with (OP)4 (Age)	((BP)3 (C)4 with (MHR)3 (BS)4 with (OP)1 (Age)	((BP)3 (C)4 with (MHR)3 (BS)4) with (OP)2 (Age)	((BP)3 (C)4 with (MHR)3 (BS)4) with (OP)3 (Age)	((BP)3 (C)4 with (MHR)3 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.92	1.00	1.00	1.00	1.00
Patient Eight	0.95	0.95	0.95	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.96	0.96	0.96	1.00	0.96	0.96	0.96	1.00

Follow table 19: (The resultant ((BP)3 (C)4 with ((MHR)3 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4
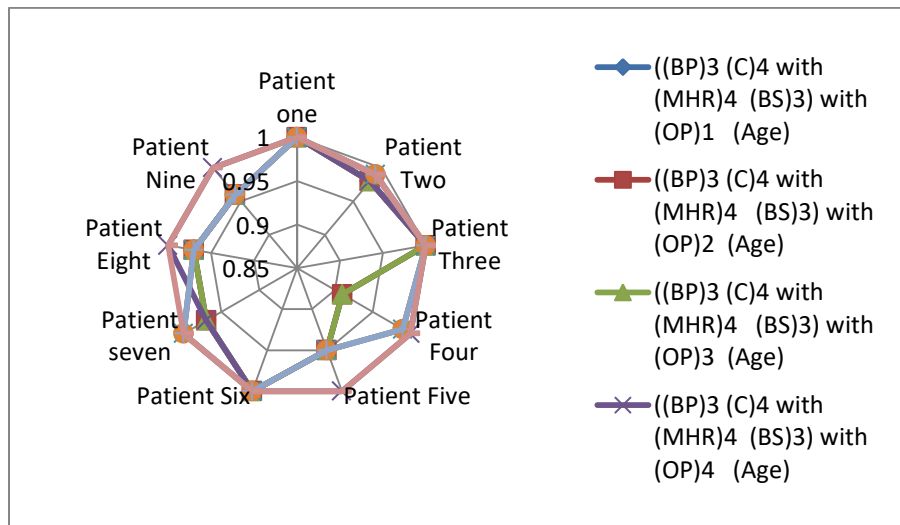

Figure 97: (The resultant ((BP)3 (C)4 with ((MHR)3 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	((BP)3 (C)4 with (MHR)4 (BS)1) with (OP)1 (Age)	((BP)3 (C)4 with (MHR)4 (BS)1) with (OP)2 (Age)	((BP)3 (C)4 with (MHR)4 (BS)1) with (OP)3 (Age)	((BP)3 (C)4 with (MHR)4 (BS)1) with (OP)4 (Age)	(((BP)3 (C)4 with (MHR)4 (BS)2 with (OP)1 (Age)	((BP)3 (C)4 with (MHR)4 (BS)2) with (OP)2 (Age)	((BP)3 (C)4 with (MHR)4 (BS)2) with (OP)3 (Age)	((BP)3 (C)4 with (MHR)4 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.97	0.97	0.97	0.97
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.88	0.88	0.88	1.00	0.88	0.88	0.88	1.00
Patient Five	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.96	0.96	0.96	1.00	0.96	0.96	0.96	1.00

Follow table 19: (The resultant ((BP)3 (C)4 with ((MHR)4 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4
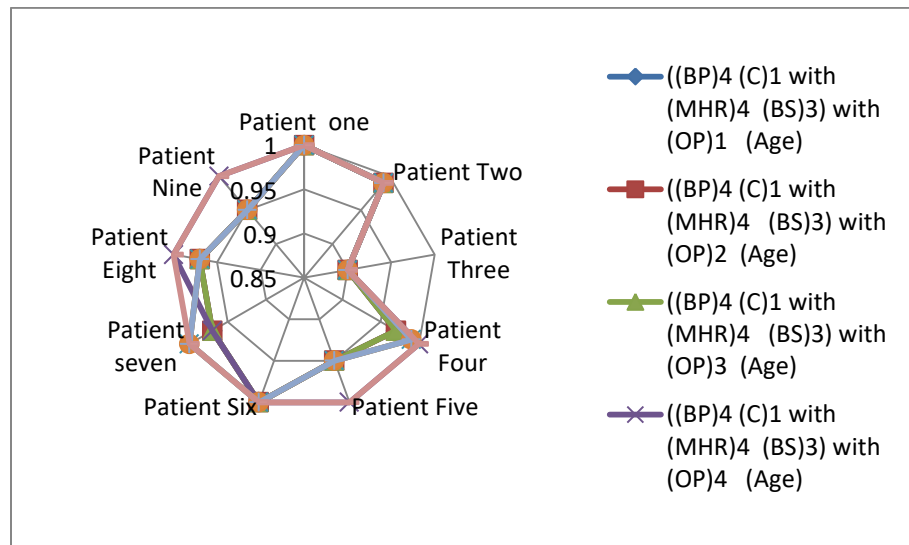
Figure 98: (The resultant ((BP)3 (C)4 with ((MHR)4 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

	((BP)3 (C)4 with (MHR)4 (BS)3) with (OP)1 (Age)	((BP)3 (C)4 with (MHR)4 (BS)3) with (OP)2 (Age)	((BP)3 (C)4 with (MHR)4 (BS)3) with (OP)3 (Age)	((BP)3 (C)4 with (MHR)4 (BS)3) with (OP)4 (Age)	((BP)3 (C)4 with (MHR)4 (BS)4) with (OP)1 (Age)	((BP)3 (C)4 with (MHR)4 (BS)4) with (OP)2 (Age)	((BP)3 (C)4 with (MHR)4 (BS)4) with (OP)3 (Age)	((BP)3 (C)4 with (MHR)4 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.91	0.91	0.91	1.00	0.99	0.99	0.99	1.00
Patient Five	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.96	0.96	0.96	1.00	0.96	0.96	0.96	1.00

Follow table 19: (The resultant ((BP)3 (C)4 with ((MHR)4 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4
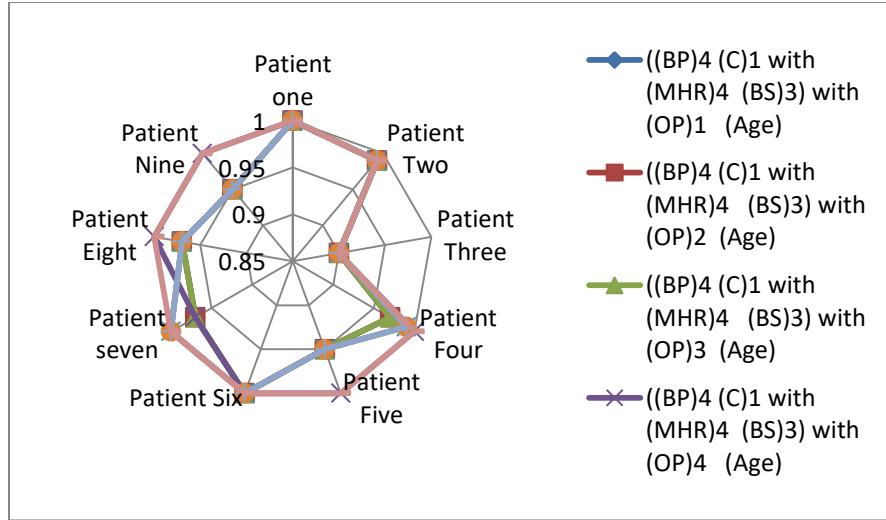

Figure 99: (The resultant ((BP)3 (C)4 with ((MHR)4 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

	((BP)4 (C)1 with (MHR)1 (BS)1) with (OP)1 (Age)	((BP)4 (C)1 with (MHR)1 (BS)1) with (OP)2 (Age)	((BP)4 (C)1 with (MHR)1 (BS)1) with (OP)3 (Age)	((BP)4 (C)1 with (MHR)1 (BS)1) with (OP)4 (Age)	((BP)4 (C)1 with (MHR)1 (BS)2 with (OP)1 (Age)	((BP)4 (C)1 with (MHR)1 (BS)2) with (OP)2 (Age)	((BP)4 (C)1 with (MHR)1 (BS)2) with (OP)3 (Age)	((BP)4 (C)1 with (MHR)1 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	0.89	0.89	0.89	0.90	0.89	0.89	0.89	0.90
Patient Four	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Five	0.88	0.88	0.88	1.00	0.88	0.88	0.88	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.92	0.97	0.97	0.97	0.92
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00

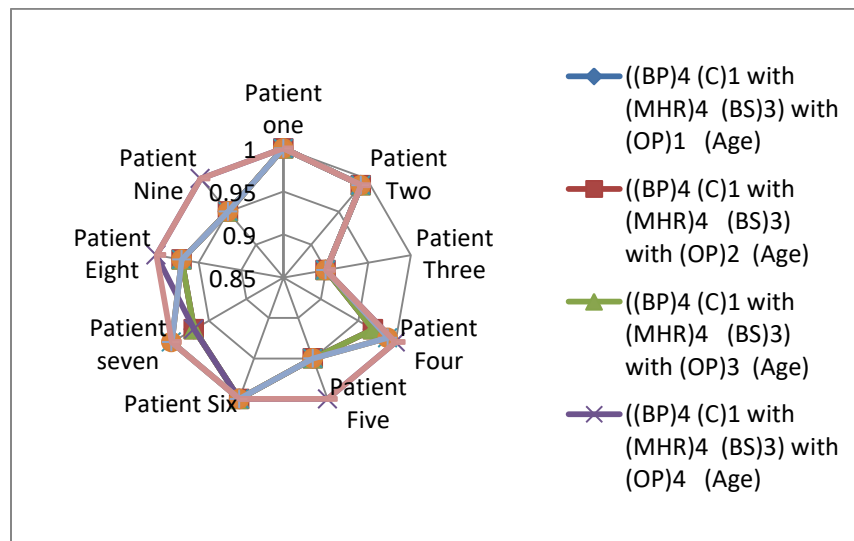Table 20: (The resultant ((BP)4 (C)1 with ((MHR)1 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

Figure 100: (The resultant ((BP)4 (C)1 with ((MHR)1 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

	((BP)4 (C)1 with (MHR)1 (BS)3) with (OP)1 (Age)	((BP)4 (C)1 with (MHR)1 (BS)3) with (OP)2 (Age)	((BP)4 (C)1 with (MHR)1 (BS)3) with (OP)3 (Age)	((BP)4 (C)1 with (MHR)1 (BS)3) with (OP)4 (Age)	((BP)4 (C)1 with (MHR)1 (BS)4 with (OP)1 (Age)	((BP)4 (C)1 with (MHR)1 (BS)4) with (OP)2 (Age)	((BP)4 (C)1 with (MHR)1 (BS)4) with (OP)3 (Age)	((BP)4 (C)1 with (MHR)1 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	0.89	0.89	0.89	0.90	0.90	0.90	0.90	0.90
Patient Four	0.97	0.97	0.97	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00

Follow table 20: (The resultant ((BP)4 (C)1 with ((MHR)1 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4
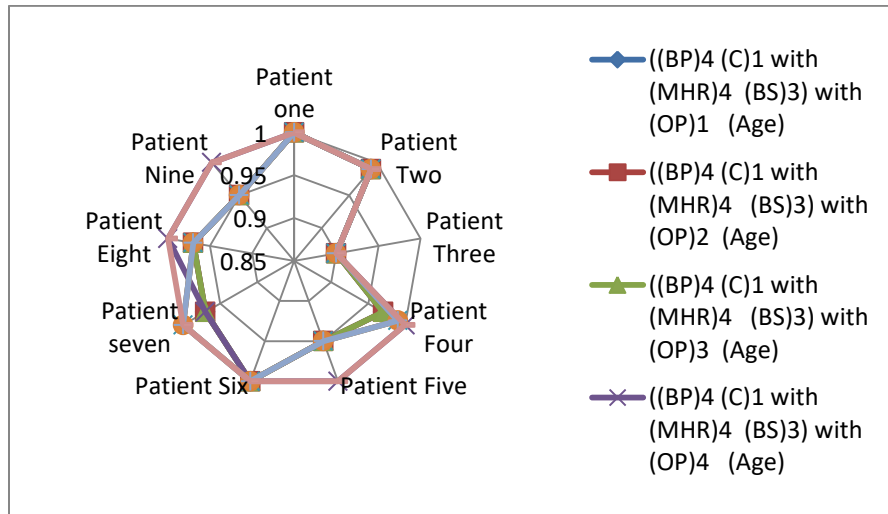
Figure 101: (The resultant ((BP)4 (C)1 with ((MHR)1 (BS)j, j=3,4 with (OP)i   (Age), i=1,2,3,4

	((BP)4 (C)1 with (MHR)2 (BS)1) with (OP)1 (Age)	((BP)4 (C)1 with (MHR)2 (BS)1) with (OP)2 (Age)	((BP)4 (C)1 with (MHR)2 (BS)1) with (OP)3 (Age)	((BP)4 (C)1 with (MHR)2 (BS)1) with (OP)4 (Age)	((BP)4 (C)1 with (MHR)2 (BS)2 with (OP)1 (Age)	((BP)4 (C)1 with (MHR)2 (BS)2) with (OP)2 (Age)	((BP)4 (C)1 with (MHR)2 (BS)2) with (OP)3 (Age)	((BP)4 (C)1 with (MHR)2 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	0.89	0.89	0.89	0.90	0.89	0.89	0.89	0.90
Patient Four	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Five	0.88	0.88	0.88	1.00	0.88	0.88	0.88	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00

Follow table 20: (The resultant ((BP)4 (C)1 with ((MHR)2 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

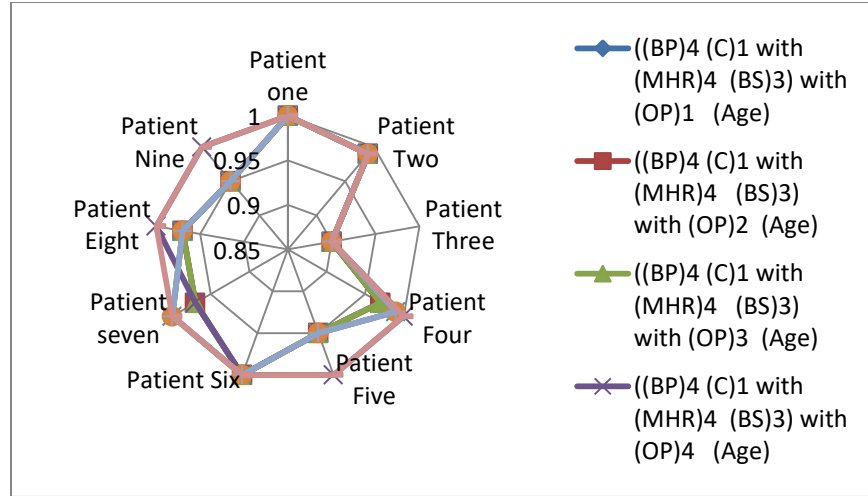
Figure 102: (The resultant ((BP)4 (C)1 with ((MHR)2 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

	((BP)4 (C)1 with (MHR)2 (BS)3) with (OP)1 (Age)	((BP)4 (C)1 with (MHR)2 (BS)3) with (OP)2 (Age)	((BP)4 (C)1 with (MHR)2 (BS)3) with (OP)3 (Age)	((BP)4 (C)1 with (MHR)2 (BS)3) with (OP)4 (Age)	((BP)4 (C)1 with (MHR)2 (BS)4) with (OP)1 (Age)	((BP)4 (C)1 with (MHR)2 (BS)4) with (OP)2 (Age)	((BP)4 (C)1 with (MHR)2 (BS)4) with (OP)3 (Age)	((BP)4 (C)1 with (MHR)2 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	0.89	0.89	0.89	0.90	0.90	0.90	0.90	0.90
Patient Four	0.97	0.97	0.97	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00

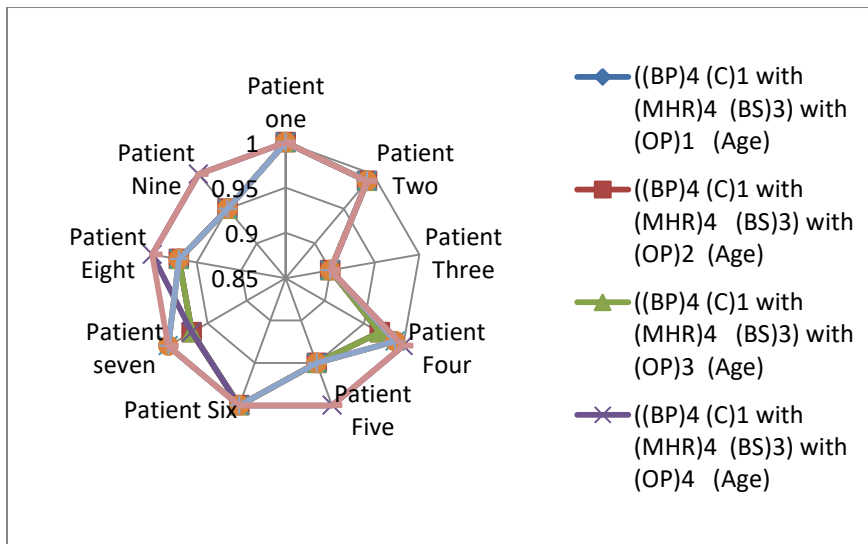Follow table 20: (The resultant ((BP)4 (C)1 with ((MHR)2 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

Figure 103: (The resultant ((BP)4 (C)1 with ((MHR)2 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	((BP)4 (C)1 with (MHR)3 (BS)1) with (OP)1 (Age)	((BP)4 (C)1 with (MHR)3 (BS)1) with (OP)2 (Age)	((BP)4 (C)1 with (MHR)3 (BS)1) with (OP)3 (Age)	((BP)4 (C)1 with (MHR)3 (BS)1) with (OP)4 (Age)	((BP)4 (C)1 with (MHR)3 (BS)2 with (OP)1 (Age)	((BP)4 (C)1 with (MHR)3 (BS)2) with (OP)2 (Age)	((BP)4 (C)1 with (MHR)3 (BS)2) with (OP)3 (Age)	((BP)4 (C)1 with (MHR)3 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	0.89	0.89	0.89	0.90	0.89	0.89	0.89	0.90
Patient Four	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Five	0.88	0.88	0.88	1.00	0.88	0.88	0.88	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00

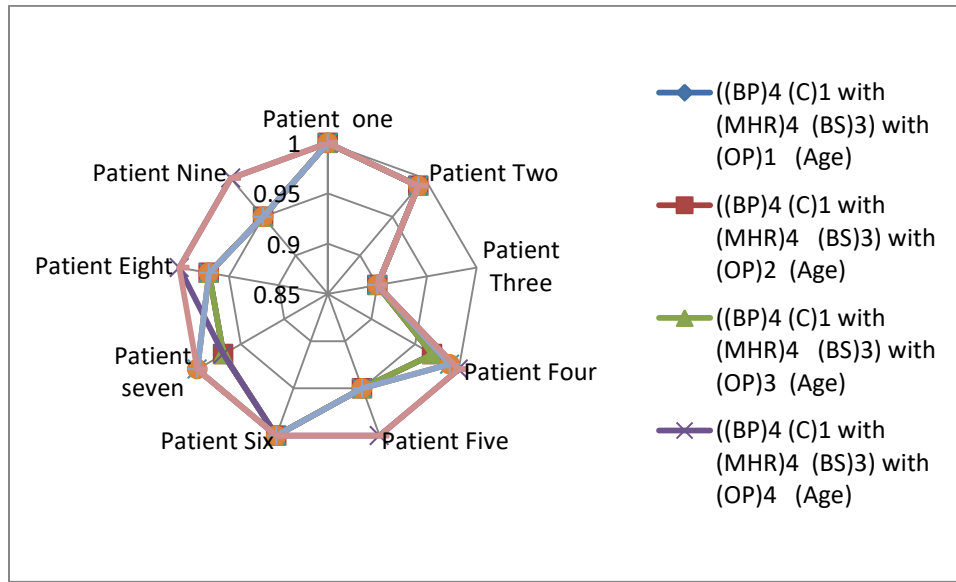Follow table 20: (The resultant ((BP)4 (C)1 with ((MHR)3 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

Figure 104: (The resultant ((BP)4 (C)1 with ((MHR)3 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

	((BP)4 (C)1 with (MHR)3 (BS)3) with (OP)1 (Age)	((BP)4 (C)1 with (MHR)3 (BS)3) with (OP)2 (Age)	((BP)4 (C)1 with (MHR)3 (BS)3) with (OP)3 (Age)	((BP)4 (C)1 with (MHR)3 (BS)3) with (OP)4 (Age)	((BP)4 (C)1 with (MHR)3 (BS)4 with (OP)1 (Age)	((BP)4 (C)1 with (MHR)3 (BS)4) with (OP)2 (Age)	((BP)4 (C)1 with (MHR)3 (BS)4) with (OP)3 (Age)	((BP)4 (C)1 with (MHR)3 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	0.89	0.89	0.89	0.90	0.90	0.90	0.90	0.90
Patient Four	0.97	0.97	0.97	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00

Follow table 20: (The resultant ((BP)4 (C)1 with ((MHR)3 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

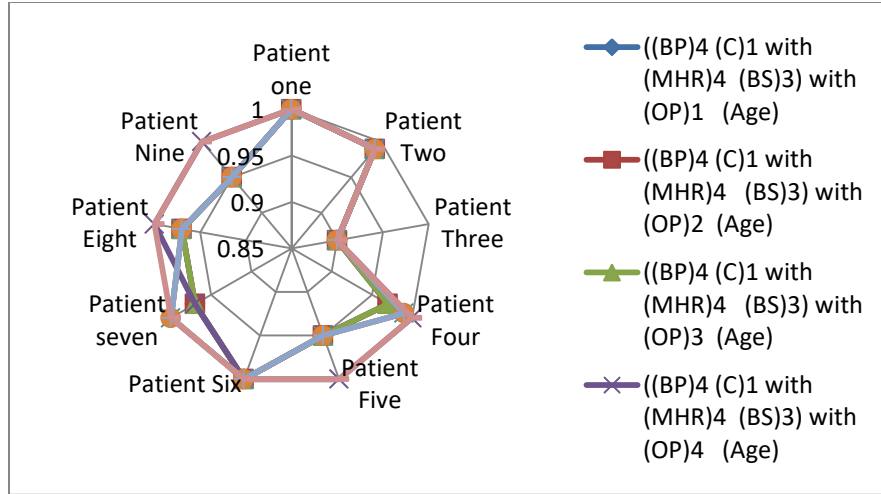
Figure 105: (The resultant ((BP)4 (C)1 with ((MHR)3 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

	((BP)4 (C)1 with (MHR)4 (BS)1) with (OP)1 (Age)	((BP)4 (C)1 with (MHR)4 (BS)1) with (OP)2 (Age)	((BP)4 (C)1 with (MHR)4 (BS)1) with (OP)3 (Age)	((BP)4 (C)1 with (MHR)4 (BS)1) with (OP)4 (Age)	((BP)4 (C)1 with (MHR)4 (BS)2 with (OP)1 (Age)	((BP)4 (C)1 with (MHR)4 (BS)2) with (OP)2 (Age)	((BP)4 (C)1 with (MHR)4 (BS)2) with (OP)3 (Age)	((BP)4 (C)1 with (MHR)4 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Patient Four	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Five	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00

Follow table 20: (The resultant ((BP)4 (C)1 with ((MHR)4 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

Figure 106: (The resultant ((BP)4 (C)1 with ((MHR)4 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	((BP)4 (C)1 with (MHR)4 (BS)3 with (OP)1 (Age)	((BP)4 (C)1 with (MHR)4 (BS)3) with (OP)2 (Age)	((BP)4 (C)1 with (MHR)4 (BS)3) with (OP)3 (Age)	((BP)4 (C)1 with (MHR)4 (BS)3) with (OP)4 (Age)	((BP)4 (C)1 with (MHR)4 (BS)4) with (OP)1 (Age)	((BP)4 (C)1 with (MHR)4 (BS)4) with (OP)2 (Age)	((BP)4 (C)1 with (MHR)4 (BS)4) with (OP)3 (Age)	((BP)4 (C)1 with (MHR)4 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Patient Four	0.97	0.97	0.97	1.00	0.99	0.99	0.99	1.00
Patient Five	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00

Follow table 20: (The resultant ((BP)4 (C)1 with ((MHR)4 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4
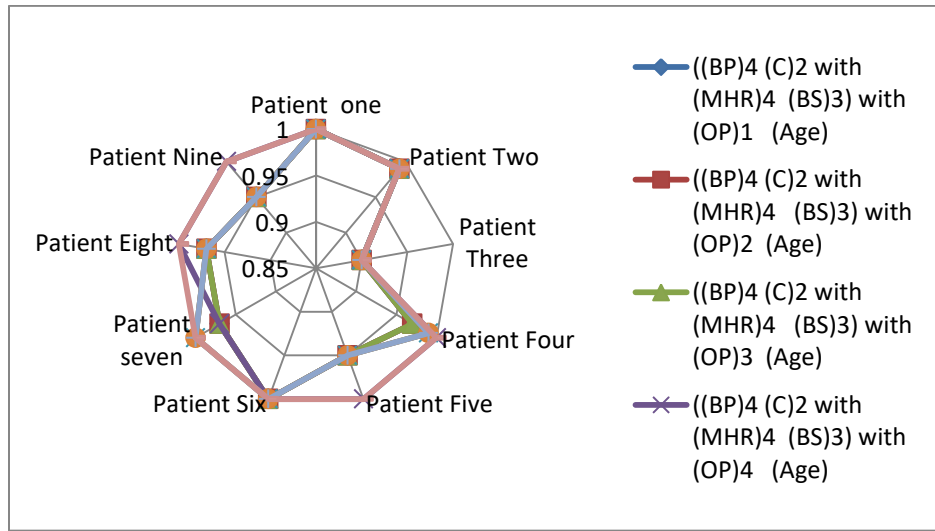
Figure 107 : (The resultant ((BP)4 (C)1 with ((MHR)4 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

	((BP)4 (C)2 with (MHR)1 (BS)1) with (OP)1 (Age)	((BP)4 (C)2 with (MHR)1 (BS)1) with (OP)2 (Age)	((BP)4 (C)2 with (MHR)1 (BS)1) with (OP)3 (Age)	((BP)4 (C)2 with (MHR)1 (BS)1) with (OP)4 (Age)	((BP)4 (C)2 with (MHR)1 (BS)2 with (OP)1 (Age)	((BP)4 (C)2 with (MHR)1 (BS)2) with (OP)2 (Age)	((BP)4 (C)2 with (MHR)1 (BS)2) with (OP)3 (Age)	((BP)4 (C)2 with (MHR)1 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	0.89	0.89	0.89	0.90	0.89	0.89	0.89	0.90
Patient Four	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Five	0.88	0.88	0.88	1.00	0.88	0.88	0.88	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00

Table 21: (The resultant ((BP)4 (C)2 with ((MHR)1 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4
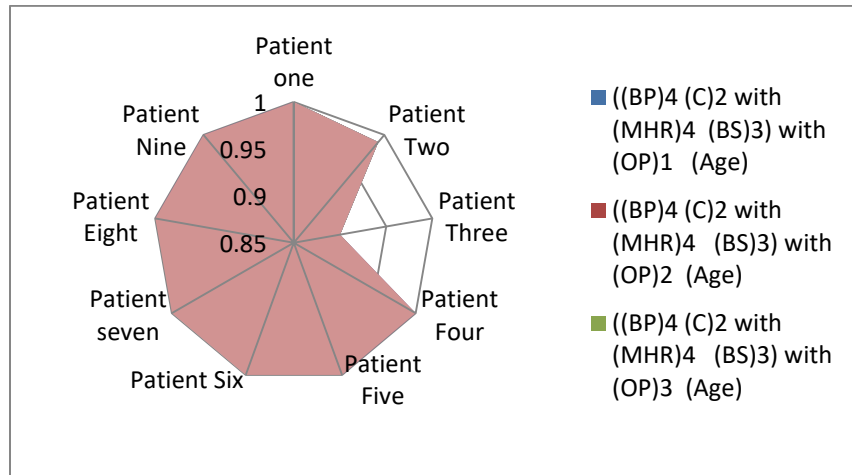
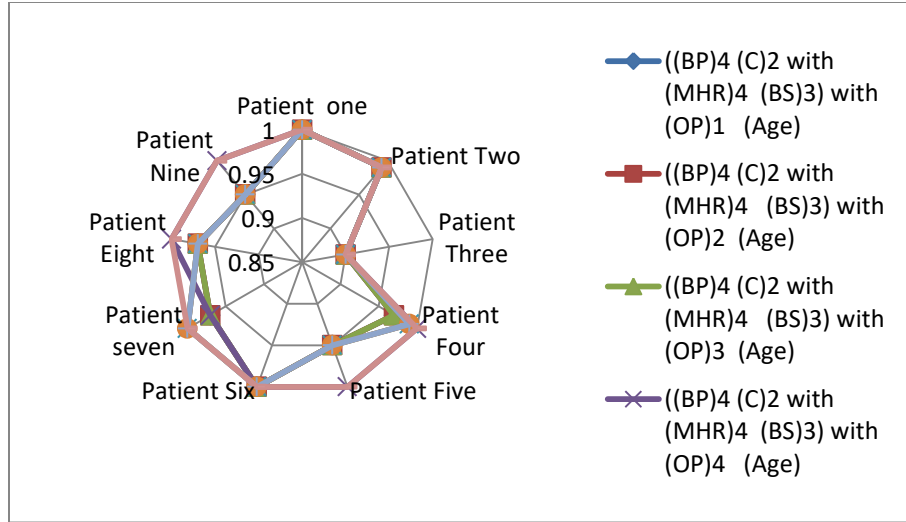Figure 108: (The resultant ((BP)4 (C)2 with ((MHR)1 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

	((BP)4 (C)2 with (MHR)1 (BS)3) with (OP)1 (Age)	((BP)4 (C)2 with (MHR)1 (BS)3) with (OP)2 (Age)	((BP)4 (C)2 with (MHR)1 (BS)3) with (OP)3 (Age)	((BP)4 (C)2 with (MHR)1 (BS)3) with (OP)4 (Age)	((BP)4 (C)2 with (MHR)1 (BS)4 with (OP)1 (Age)	((BP)4 (C)2 with (MHR)1 (BS)4) with (OP)2 (Age)	((BP)4 (C)2 with (MHR)1 (BS)4) with (OP)3 (Age)	((BP)4 (C)2 with (MHR)1 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Patient Four	0.97	0.97	0.97	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00

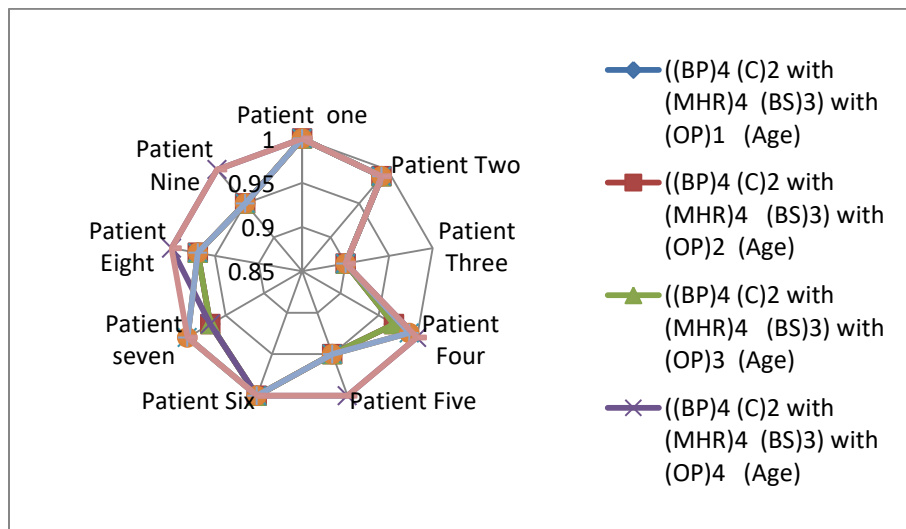Follow table 21: (The resultant ((BP)4 (C)2 with ((MHR)1 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

Figure 109: (The resultant ((BP)4 (C)2 with ((MHR)1 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	((BP)4 (C)2 with (MHR)2 (BS)1) with (OP)1 (Age)	((BP)4 (C)2 with (MHR)2 (BS)1) with (OP)2 (Age)	((BP)4 (C)2 with (MHR)2 (BS)1) with (OP)3 (Age)	((BP)4 (C)2 with (MHR)2 (BS)1) with (OP)4 (Age)	((BP)4 (C)2 with (MHR)2 (BS)2 with (OP)1 (Age)	((BP)4 (C)2 with (MHR)2 (BS)2) with (OP)2 (Age)	((BP)4 (C)2 with (MHR)2 (BS)2) with (OP)3 (Age)	((BP)4 (C)2 with (MHR)2 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	0.89	0.89	0.89	0.90	0.89	0.89	0.89	0.90
Patient Four	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Five	0.88	0.88	0.88	1.00	0.88	0.88	0.88	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00

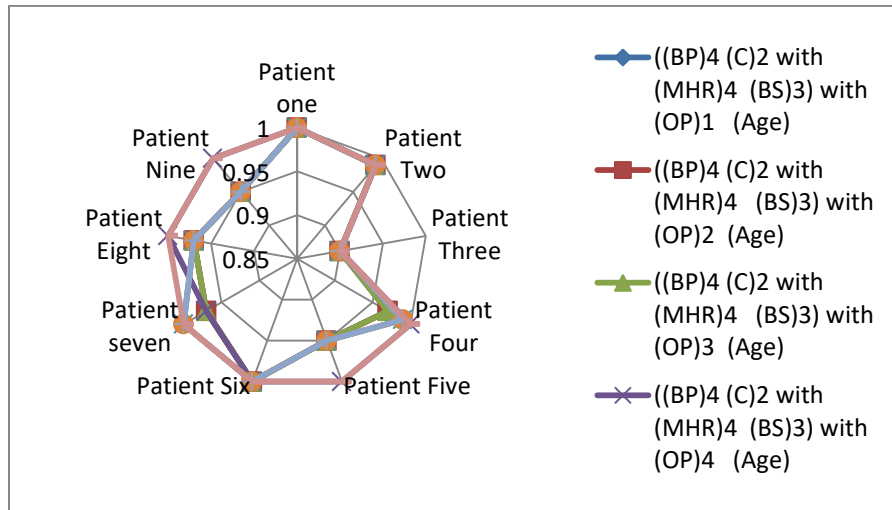Follow table 21: (The resultant ((BP)4 (C)2 with ((MHR)2 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

Figure 110: (The resultant ((BP)4 (C)2 with ((MHR)2 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

	((BP)4 (C)2 with (MHR)2 (BS)3) with (OP)1 (Age)	((BP)4 (C)2 with (MHR)2 (BS)3) with (OP)2 (Age)	((BP)4 (C)2 with (MHR)2 (BS)3) with (OP)3 (Age)	((BP)4 (C)2 with (MHR)2 (BS)3) with (OP)4 (Age)	((BP)4 (C)2 with (MHR)2 (BS)4) with (OP)1 (Age)	((BP)4 (C)2 with (MHR)2 (BS)4) with (OP)2 (Age)	((BP)4 (C)2 with (MHR)2 (BS)4) with (OP)3 (Age)	((BP)4 (C)2 with (MHR)2 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	0.89	0.89	0.89	0.90	0.90	0.90	0.90	0.90
Patient Four	0.97	0.97	0.97	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00

Follow table 21: (The resultant ((BP)4 (C)2 with ((MHR)2 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

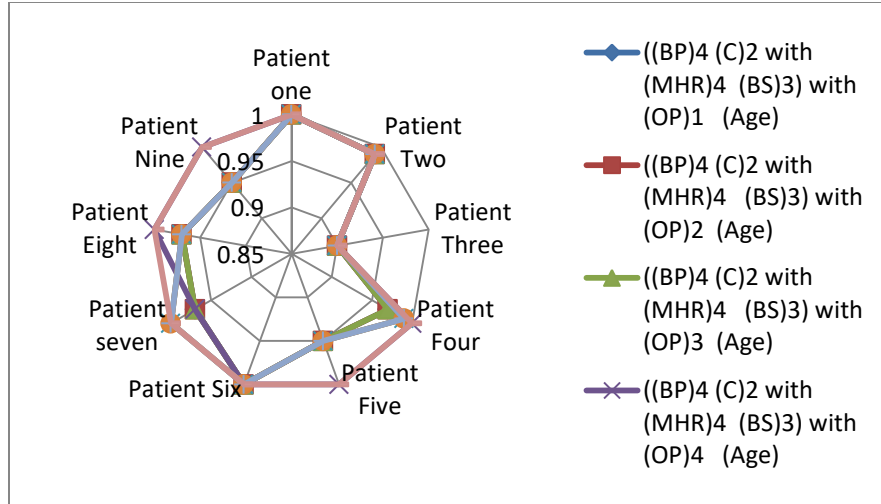Figure 111 : (The resultant ((BP)4 (C)2 with ((MHR)2 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

	((BP)4 (C)2 with (MHR)3 (BS)1) with (OP)1 (Age)	((BP)4 (C)2 with (MHR)3 (BS)1) with (OP)2 (Age)	((BP)4 (C)2 with (MHR)3 (BS)1) with (OP)3 (Age)	((BP)4 (C)2 with (MHR)3 (BS)1) with (OP)4 (Age)	((BP)4 (C)2 with (MHR)3 (BS)2 with (OP)1 (Age)	((BP)4 (C)2 with (MHR)3 (BS)2) with (OP)2 (Age)	((BP)4 (C)2 with (MHR)3 (BS)2) with (OP)3 (Age)	((BP)4 (C)2 with (MHR)3 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	0.89	0.89	0.89	0.90	0.90	0.90	0.90	0.90
Patient Four	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Five	0.88	0.88	0.88	1.00	0.88	0.88	0.88	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00

Follow table 21: (The resultant ((BP)4 (C)2 with ((MHR)3 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

Figure 112: (The resultant ((BP)4 (C)2 with ((MHR)3 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	((BP)4 (C)2 with (MHR)3 (BS)3) with (OP)1 (Age)	((BP)4 (C)2 with (MHR)3 (BS)3) with (OP)2 (Age)	((BP)4 (C)2 with (MHR)3 (BS)3) with (OP)3 (Age)	((BP)4 (C)2 with (MHR)3 (BS)3) with (OP)4 (Age)	((BP)4 (C)2 with (MHR)3 (BS)4 with (OP)1 (Age)	((BP)4 (C)2 with (MHR)3 (BS)4) with (OP)2 (Age)	((BP)4 (C)2 with (MHR)3 (BS)4) with (OP)3 (Age)	((BP)4 (C)2 with (MHR)3 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	0.89	0.89	0.89	0.90	0.90	0.90	0.90	0.90
Patient Four	0.97	0.97	0.97	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00

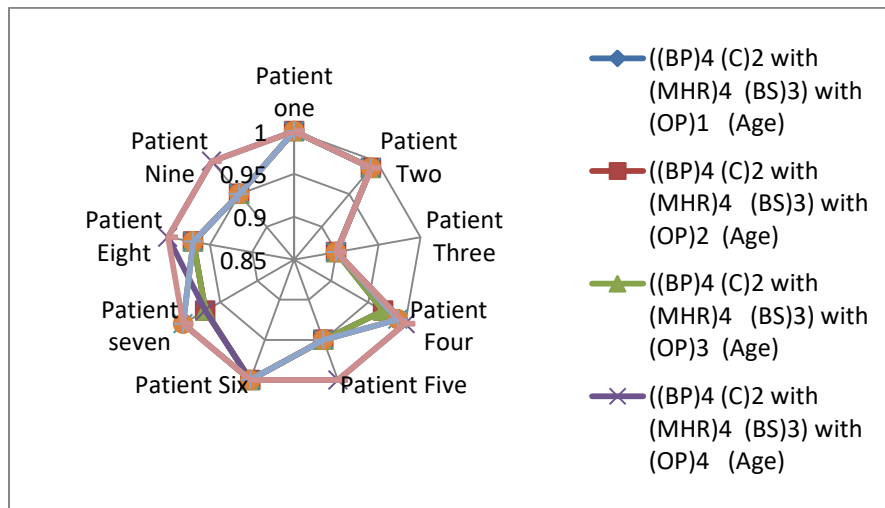Follow table 21: (The resultant ((BP)4 (C)2 with ((MHR)3 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

Figure 113: (The resultant ((BP)4 (C)2 with ((MHR)3 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

	((BP)4 (C)2 with (MHR)4 (BS)1) with (OP)1 (Age)	((BP)4 (C)2 with (MHR)4 (BS)1) with (OP)2 (Age)	((BP)4 (C)2 with (MHR)4 (BS)1) with (OP)3 (Age)	((BP)4 (C)2 with (MHR)4 (BS)1) with (OP)4 (Age)	((BP)4 (C)2 with (MHR)4 (BS)2 with (OP)1 (Age)	((BP)4 (C)2 with (MHR)4 (BS)2) with (OP)2 (Age)	((BP)4 (C)2 with (MHR)4 (BS)2) with (OP)3 (Age)	((BP)4 (C)2 with (MHR)4 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Patient Four	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Five	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00

Follow table 21: (The resultant ((BP)4 (C)2 with ((MHR)4 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

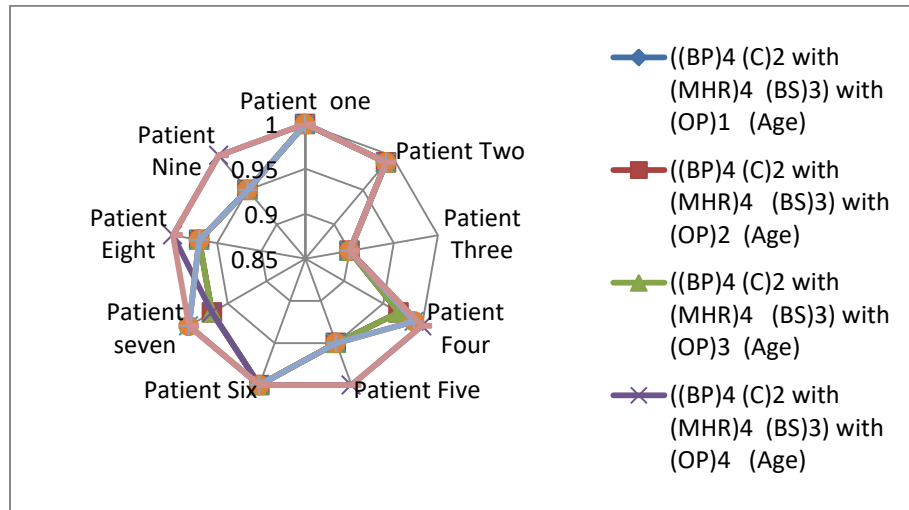

Figure 114: (The resultant ((BP)4 (C)2 with ((MHR)4 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

	((BP)4 (C)2 with (MHR)4 (BS)3) with (OP)1 (Age)	((BP)4 (C)2 with (MHR)4 (BS)3) with (OP)2 (Age)	((BP)4 (C)2 with (MHR)4 (BS)3) with (OP)3 (Age)	((BP)4 (C)2 with (MHR)4 (BS)3) with (OP)4 (Age)	((BP)4 (C)2 with (MHR)4 (BS)4) with (OP)1 (Age)	((BP)4 (C)2 with (MHR)4 (BS)4) with (OP)2 (Age)	((BP)4 (C)2 with (MHR)4 (BS)4) with (OP)3 (Age)	((BP)4 (C)2 with (MHR)4 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Patient Four	0.97	0.97	0.97	1.00	0.99	0.99	0.99	1.00
Patient Five	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00

Follow table 21: (The resultant ((BP)4 (C)2 with ((MHR)4 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

Figure 115: (The resultant ((BP)4 (C)2 with ((MHR)4 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	((BP)4 (C)3 with (MHR)1 (BS)1) with (OP)1 (Age)	((BP)4 (C)3 with (MHR)1 (BS)1) with (OP)2 (Age)	((BP)4 (C)3 with (MHR)1 (BS)1) with (OP)3 (Age)	((BP)4 (C)3 with (MHR)1 (BS)1) with (OP)4 (Age)	((BP)4 (C)3 with (MHR)1 (BS)2 with (OP)1 (Age)	((BP)4 (C)3 with (MHR)1 (BS)2) with (OP)2 (Age)	((BP)4 (C)3 with (MHR)1 (BS)2) with (OP)3 (Age)	((BP)4 (C)3 with (MHR)1 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	0.89	0.89	0.89	0.90	0.89	0.89	0.89	0.90
Patient Four	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Five	0.88	0.88	0.88	1.00	0.88	0.88	0.88	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00

Table 22: (The resultant ((BP)4 (C)3 with ((MHR)1 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4
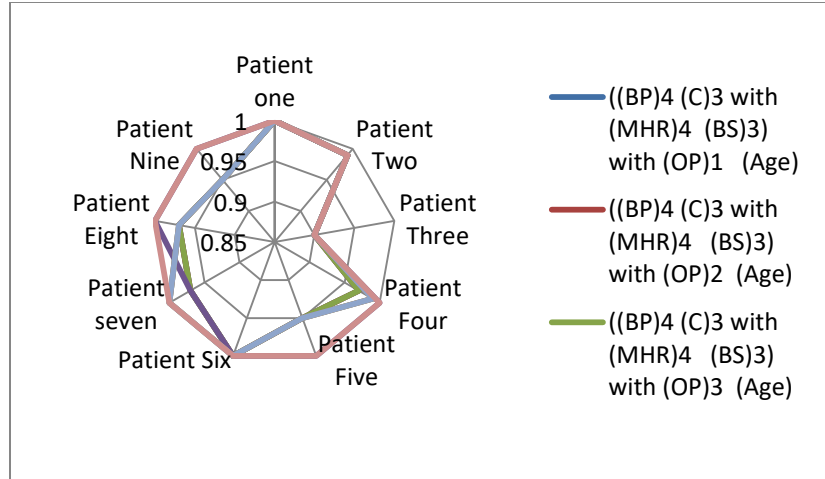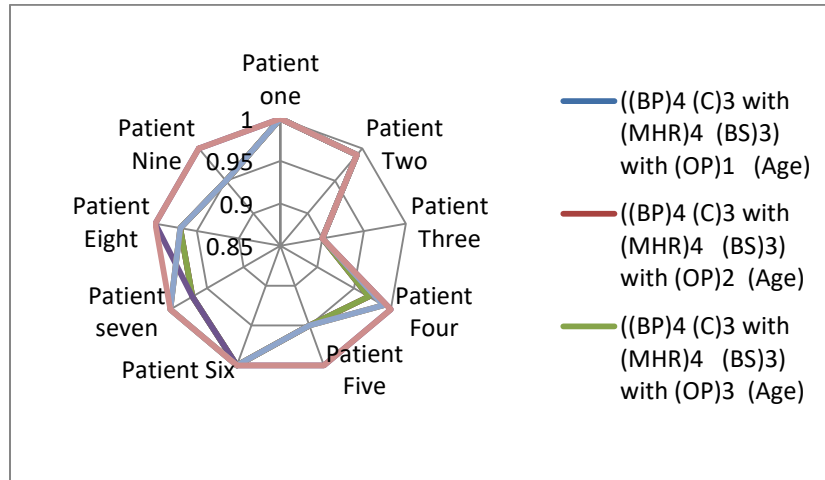
Figure 116: (The resultant ((BP)4 (C)3 with ((MHR)1 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

	((BP)4 (C)3 with (MHR)1 (BS)3) with (OP)1 (Age)	((BP)4 (C)3 with (MHR)1 (BS)3) with (OP)2 (Age)	((BP)4 (C)3 with (MHR)1 (BS)3) with (OP)3 (Age)	((BP)4 (C)3 with (MHR)1 (BS)3) with (OP)4 (Age)	((BP)4 (C)3 with (MHR)1 (BS)4 with (OP)1 (Age)	((BP)4 (C)3 with (MHR)1 (BS)4) with (OP)2 (Age)	((BP)4 (C)3 with (MHR)1 (BS)4) with (OP)3 (Age)	((BP)4 (C)3 with (MHR)1 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	0.89	0.89	0.89	0.90	0.89	0.89	0.89	0.90
Patient Four	0.97	0.97	0.97	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00

Follow table 22: (The resultant ((BP)4 (C)3 with ((MHR)1 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

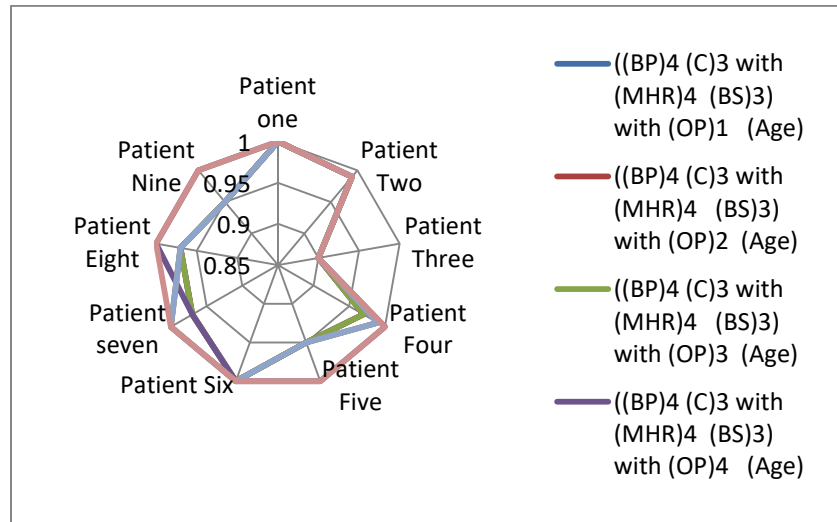

Figure 117: (The resultant ((BP)4 (C)3 with ((MHR)1 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

	((BP)4 (C)3 with (MHR)2 (BS)1) with (OP)1 (Age)	((BP)4 (C)3 with (MHR)2 (BS)1) with (OP)2 (Age)	((BP)4 (C)3 with (MHR)2 (BS)1) with (OP)3 (Age)	((BP)4 (C)3 with (MHR)2 (BS)1) with (OP)4 (Age)	((BP)4 (C)3 with (MHR)2 (BS)2 with (OP)1 (Age)	((BP)4 (C)3 with (MHR)2 (BS)2) with (OP)2 (Age)	((BP)4 (C)3 with (MHR)2 (BS)2) with (OP)3 (Age)	((BP)4 (C)3 with (MHR)2 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	0.89	0.89	0.89	0.90	0.89	0.89	0.89	0.90
Patient Four	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Five	0.88	0.88	0.88	1.00	0.88	0.88	0.88	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00

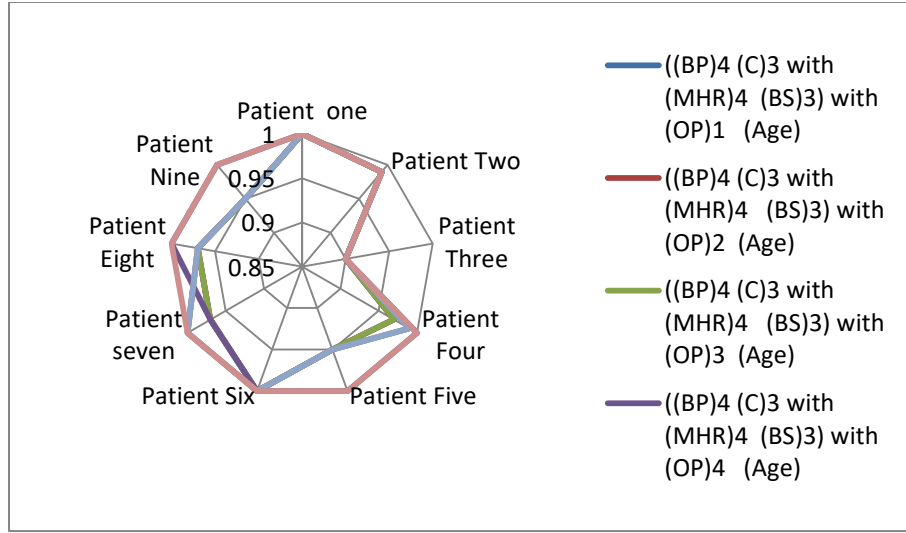Follow table 22: (The resultant ((BP)4 (C)3 with ((MHR)2 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

Figure 118: (The resultant ((BP)4 (C)3 with ((MHR)2 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	((BP)4 (C)3 with (MHR)2 (BS)3) with (OP)1 (Age)	((BP)4 (C)3 with (MHR)2 (BS)3) with (OP)2 (Age)	((BP)4 (C)3 with (MHR)2 (BS)3) with (OP)3 (Age)	((BP)4 (C)3 with (MHR)2 (BS)3) with (OP)4 (Age)	((BP)4 (C)3 with (MHR)2 (BS)4) with (OP)1 (Age)	((BP)4 (C)3 with (MHR)2 (BS)4) with (OP)2 (Age)	((BP)4 (C)3 with (MHR)2 (BS)4) with (OP)3 (Age)	((BP)4 (C)3 with (MHR)2 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	0.89	0.89	0.89	0.90	0.89	0.89	0.89	0.90
Patient Four	0.97	0.97	0.97	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00

Follow table 22: (The resultant ((BP)4 (C)3 with ((MHR)2 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4
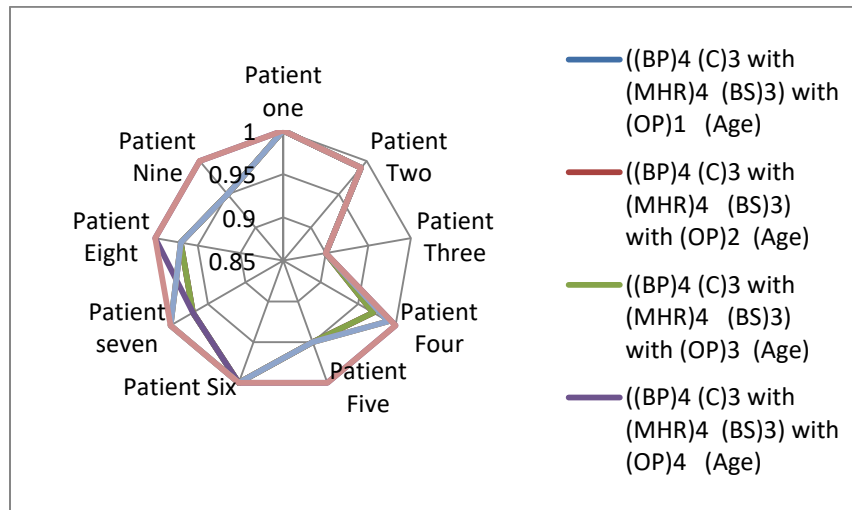
Figure 119 : (The resultant ((BP)4 (C)3 with ((MHR)2 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

	((BP)4 (C)3 with (MHR)3 (BS)1) with (OP)1 (Age)	((BP)4 (C)3 with (MHR)3 (BS)1) with (OP)2 (Age)	((BP)4 (C)3 with (MHR)3 (BS)1) with (OP)3 (Age)	((BP)4 (C)3 with (MHR)3 (BS)1) with (OP)4 (Age)	((BP)4 (C)3 with (MHR)3 (BS)2 with (OP)1 (Age)	((BP)4 (C)3 with (MHR)3 (BS)2) with (OP)2 (Age)	((BP)4 (C)3 with (MHR)3 (BS)2) with (OP)3 (Age)	((BP)4 (C)3 with (MHR)3 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	0.89	0.89	0.89	0.90	0.89	0.89	0.89	0.90
Patient Four	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Five	0.88	0.88	0.88	1.00	0.88	0.88	0.88	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00

Follow table 22: (The resultant ((BP)4 (C)3 with ((MHR)3 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

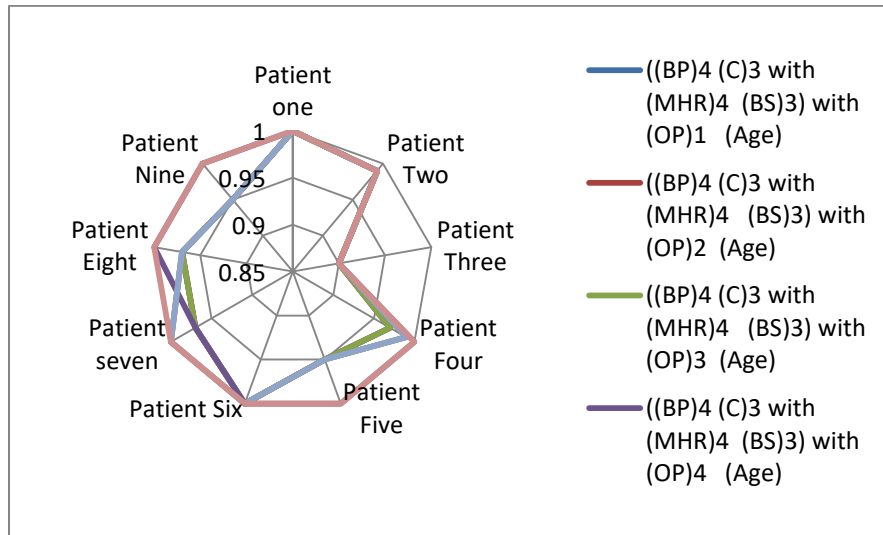
Figure 120: (The resultant ((BP)4 (C)3 with ((MHR)3 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

	((BP)4 (C)3 with (MHR)3 (BS)3) with (OP)1 (Age)	((BP)4 (C)3 with (MHR)3 (BS)3) with (OP)2 (Age)	((BP)4 (C)3 with (MHR)3 (BS)3) with (OP)3 (Age)	((BP)4 (C)3 with (MHR)3 (BS)3) with (OP)4 (Age)	((BP)4 (C)3 with (MHR)3 (BS)4 with (OP)1 (Age)	((BP)4 (C)3 with (MHR)3 (BS)4) with (OP)2 (Age)	((BP)4 (C)3 with (MHR)3 (BS)4) with (OP)3 (Age)	((BP)4 (C)3 with (MHR)3 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	0.89	0.89	0.89	0.90	0.90	0.90	0.90	0.90
Patient Four	0.97	0.97	0.97	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.94	0.94	0.94	1.00	0.94	0.94	0.94	1.00

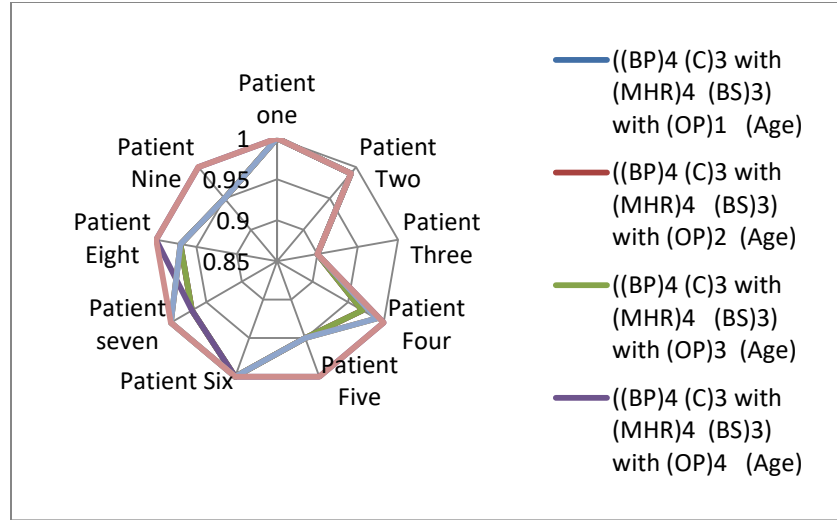Follow table 22: (The resultant ((BP)4 (C)3 with ((MHR)3 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

Figure 121: (The resultant ((BP)4 (C)3 with ((MHR)3 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	((BP)4 (C)3 with (MHR)4 (BS)1) with (OP)1 (Age)	((BP)4 (C)3 with (MHR)4 (BS)1) with (OP)2 (Age)	((BP)4 (C)3 with (MHR)4 (BS)1) with (OP)3 (Age)	((BP)4 (C)3 with (MHR)4 (BS)1) with (OP)4 (Age)	((BP)4 (C)3 with (MHR)4 (BS)2 with (OP)1 (Age)	((BP)4 (C)3 with (MHR)4 (BS)2) with (OP)2 (Age)	((BP)4 (C)3 with (MHR)4 (BS)2) with (OP)3 (Age)	((BP)4 (C)3 with (MHR)4 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Patient Four	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Five	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00

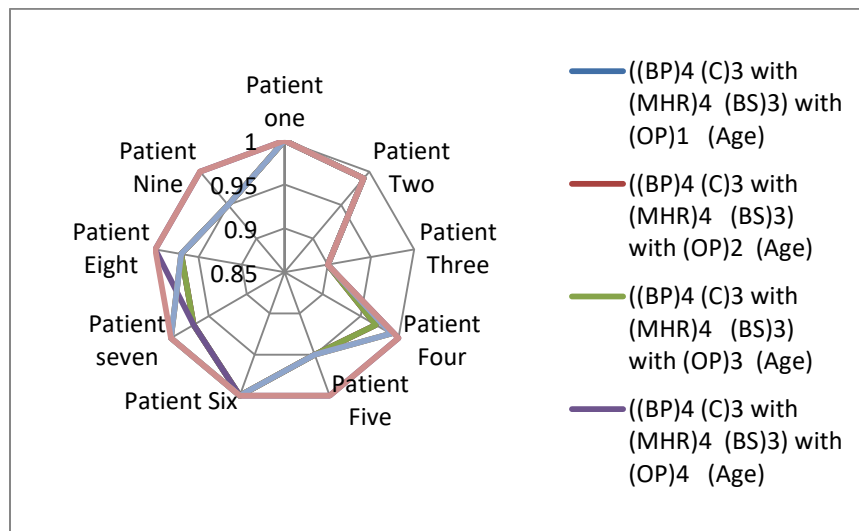Follow table 22: (The resultant ((BP)4 (C)3 with ((MHR)4 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

Figure 122: (The resultant ((BP)4 (C)3 with ((MHR)4 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

	((BP)4 (C)3 with (MHR)4 (BS)3) with (OP)1 (Age)	((BP)4 (C)3 with (MHR)4 (BS)3) with (OP)2 (Age)	((BP)4 (C)3 with (MHR)4 (BS)3) with (OP)3 (Age)	((BP)4 (C)3 with (MHR)4 (BS)3) with (OP)4 (Age)	((BP)4 (C)3 with (MHR)4 (BS)4) with (OP)1 (Age)	((BP)4 (C)3 with (MHR)4 (BS)4) with (OP)2 (Age)	((BP)4 (C)3 with (MHR)4 (BS)4) with (OP)3 (Age)	((BP)4 (C)3 with (MHR)4 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Patient Four	0.97	0.97	0.97	1.00	0.99	0.99	0.99	1.00
Patient Five	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	1.00
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00

Follow table 22: (The resultant ((BP)4 (C)3 with ((MHR)4 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4
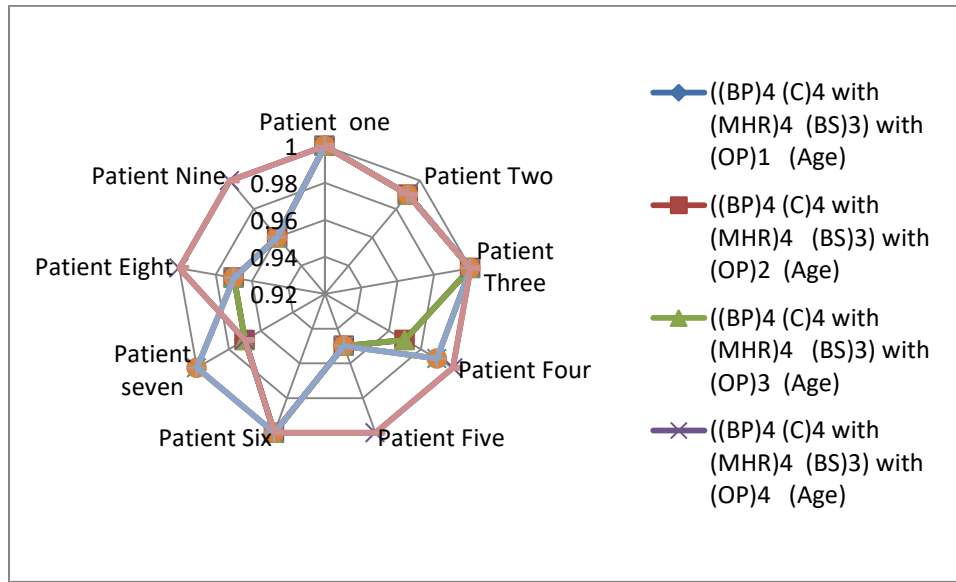

Figure 123: (The resultant ((BP)4 (C)3 with ((MHR)4 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

	((BP)4 (C)4 with (MHR)1 (BS)1) with (OP)1 (Age)	((BP)4 (C)4 with (MHR)1 (BS)1) with (OP)2 (Age)	((BP)4 (C)4 with (MHR)1 (BS)1) with (OP)3 (Age)	((BP)4 (C)4 with (MHR)1 (BS)1) with (OP)4 (Age)	((BP)4 (C)4 with (MHR)1 (BS)2 with (OP)1 (Age)	((BP)4 (C)4 with (MHR)1 (BS)2) with (OP)2 (Age)	((BP)4 (C)4 with (MHR)1 (BS)2) with (OP)3 (Age)	((BP)4 (C)4 with (MHR)1 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Five	0.90	0.90	0.90	1.00	0.90	0.90	0.90	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.96	0.96	0.96	1.00	0.96	0.96	0.96	1.00

Table 23: (The resultant ((BP)4 (C)4 with ((MHR)1 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4
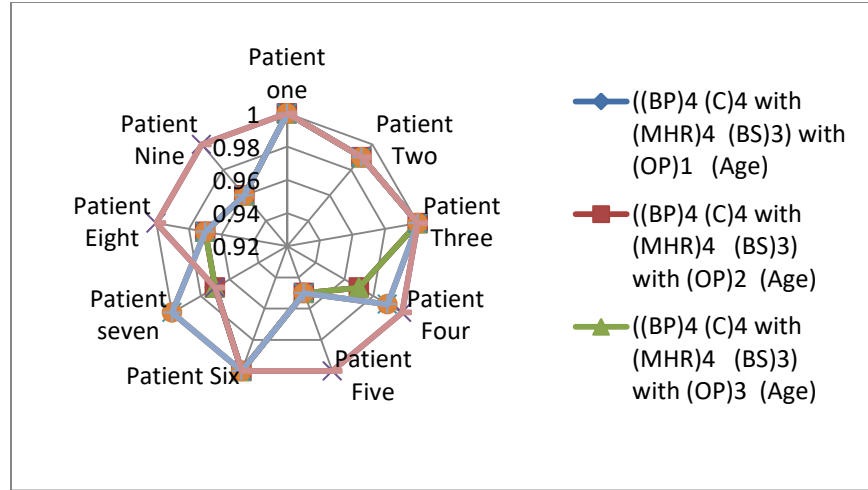

Figure 124: (The resultant ((BP)4 (C)4 with ((MHR)1 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	((BP)4 (C)4 with (MHR)1 (BS)3) with (OP)1 (Age)	((BP)4 (C)4 with (MHR)1 (BS)3) with (OP)2 (Age)	((BP)4 (C)4 with (MHR)1 (BS)3) with (OP)3 (Age)	((BP)4 (C)4 with (MHR)1 (BS)3) with (OP)4 (Age)	((BP)4 (C)4 with (MHR)1 (BS)4 with (OP)1 (Age)	((BP)4 (C)4 with (MHR)1 (BS)4) with (OP)2 (Age)	((BP)4 (C)4 with (MHR)1 (BS)4) with (OP)3 (Age)	((BP)4 (C)4 with (MHR)1 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.97	0.97	0.97	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	0.97
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.96	0.96	0.96	1.00	0.96	0.96	0.96	1.00

Follow table 23: (The resultant ((BP)4 (C)4 with ((MHR)1 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4
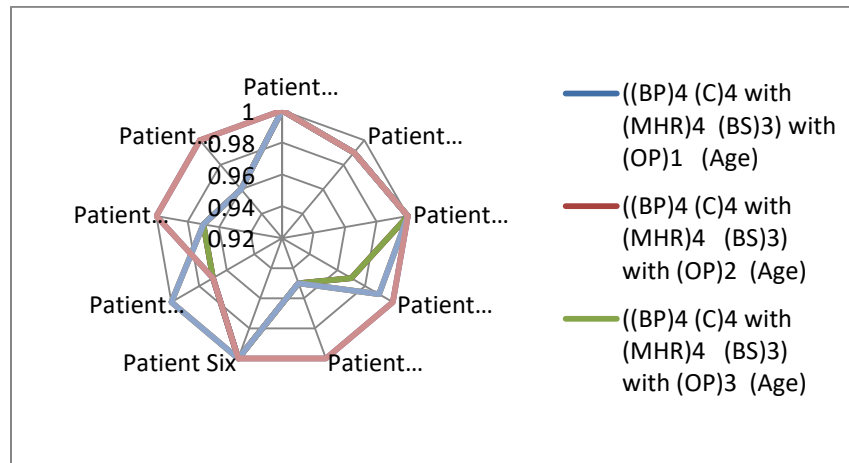
Figure 125: (The resultant ((BP)4 (C)4 with ((MHR)1 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

	((BP)4 (C)4 with (MHR)2 (BS)1) with (OP)1 (Age)	((BP)4 (C)4 with (MHR)2 (BS)1) with (OP)2 (Age)	((BP)4 (C)4 with (MHR)2 (BS)1) with (OP)3 (Age)	((BP)4 (C)4 with (MHR)2 (BS)1) with (OP)4 (Age)	((BP)4 (C)4 with (MHR)2 (BS)2 with (OP)1 (Age)	((BP)4 (C)4 with (MHR)2 (BS)2) with (OP)2 (Age)	((BP)4 (C)4 with (MHR)2 (BS)2) with (OP)3 (Age)	((BP)4 (C)4 with (MHR)2 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Five	0.90	0.90	0.90	1.00	0.90	0.90	0.90	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.96	0.96	0.96	1.00	0.96	0.96	0.96	1.00

Follow table 23: (The resultant ((BP)4 (C)4 with ((MHR)2 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

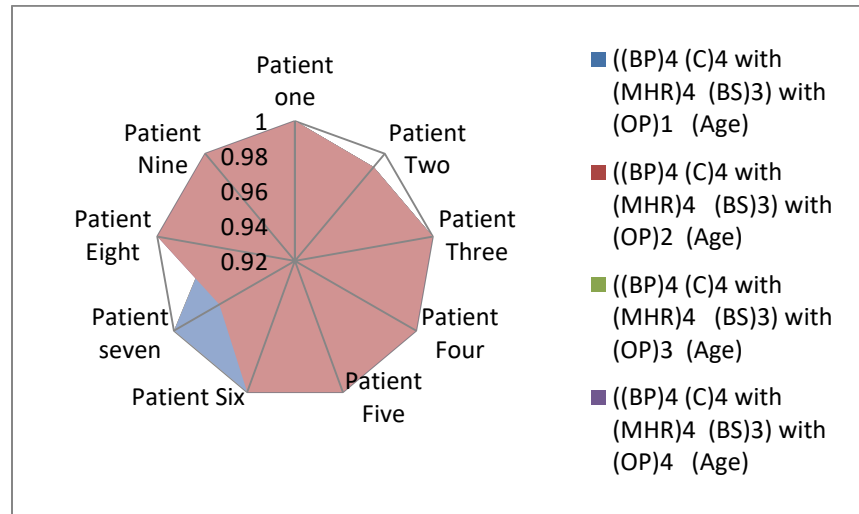
Figure 126: (The resultant ((BP)4 (C)4 with ((MHR)2 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

	((BP)4 (C)4 with (MHR)2 (BS)3) with (OP)1 (Age)	((BP)4 (C)4 with (MHR)2 (BS)3) with (OP)2 (Age)	((BP)4 (C)4 with (MHR)2 (BS)3) with (OP)3 (Age)	((BP)4 (C)4 with (MHR)2 (BS)3) with (OP)4 (Age)	((BP)4 (C)4 with (MHR)2 (BS)4) with (OP)1 (Age)	((BP)4 (C)4 with (MHR)2 (BS)4) with (OP)2 (Age)	((BP)4 (C)4 with (MHR)2 (BS)4) with (OP)3 (Age)	((BP)4 (C)4 with (MHR)2 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.97	0.97	0.97	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	0.97
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.96	0.96	0.96	1.00	0.96	0.96	0.96	1.00

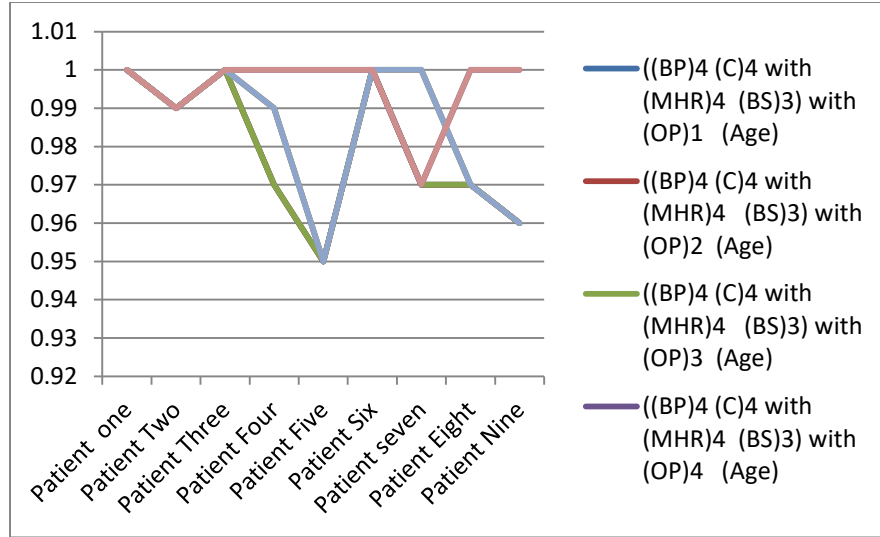Follow table 23: (The resultant ((BP)4 (C)4 with ((MHR)2 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

Figure 127: (The resultant ((BP)4 (C)4 with ((MHR)2 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

	((BP)4 (C)4 with (MHR)3 (BS)1) with (OP)1 (Age)	((BP)4 (C)4 with (MHR)3 (BS)1) with (OP)2 (Age)	((BP)4 (C)4 with (MHR)3 (BS)1) with (OP)3 (Age)	((BP)4 (C)4 with (MHR)3 (BS)1) with (OP)4 (Age)	((BP)4 (C)4 with (MHR)3 (BS)2) with (OP)1 (Age)	((BP)4 (C)4 with (MHR)3 (BS)2) with (OP)2 (Age)	((BP)4 (C)4 with (MHR)3 (BS)2) with (OP)3 (Age)	((BP)4 (C)4 with (MHR)3 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Five	0.90	0.90	0.90	1.00	0.90	0.90	0.90	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.96	0.96	0.96	1.00	0.96	0.96	0.96	1.00

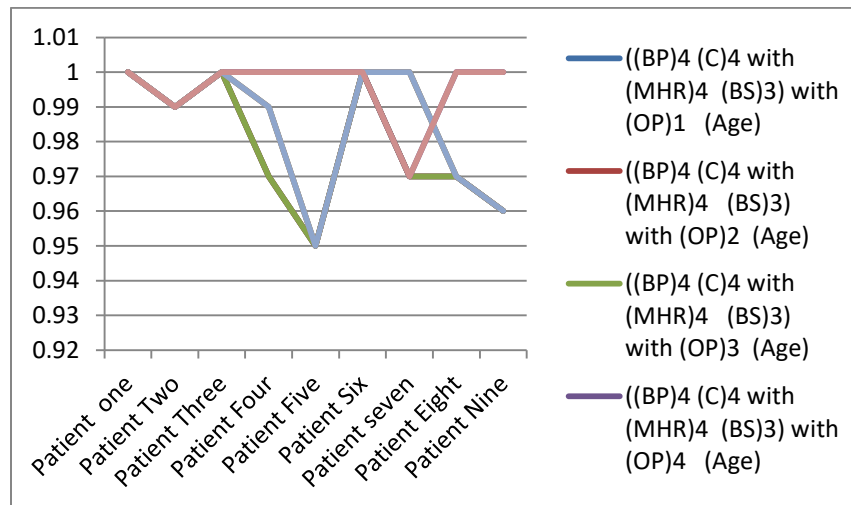Follow table 23: (The resultant ((BP)4 (C)4 with ((MHR)3 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

Figure 128: (The resultant ((BP)4 (C)4 with ((MHR)3 (BS)j, j=1,2) with (OP)i   (Age), i=1,2,3,4

	((BP)4 (C)4 with (MHR)3 (BS)3) with (OP)1 (Age)	((BP)4 (C)4 with (MHR)3 (BS)3) with (OP)2 (Age)	((BP)4 (C)4 with (MHR)3 (BS)3) with (OP)3 (Age)	((BP)4 (C)4 with (MHR)3 (BS)3) with (OP)4 (Age)	((BP)4 (C)4 with (MHR)3 (BS)4 with (OP)1 (Age)	((BP)4 (C)4 with (MHR)3 (BS)4) with (OP)2 (Age)	((BP)4 (C)4 with (MHR)3 (BS)4) with (OP)3 (Age)	((BP)4 (C)4 with (MHR)3 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.97	0.97	0.97	1.00	0.99	0.99	0.99	1.00
Patient Five	0.90	0.90	0.90	1.00	0.92	0.92	0.92	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	0.97
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.96	0.96	0.96	1.00	0.96	0.96	0.96	1.00

Follow table 23: (The resultant ((BP)4 (C)4 with ((MHR)3 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

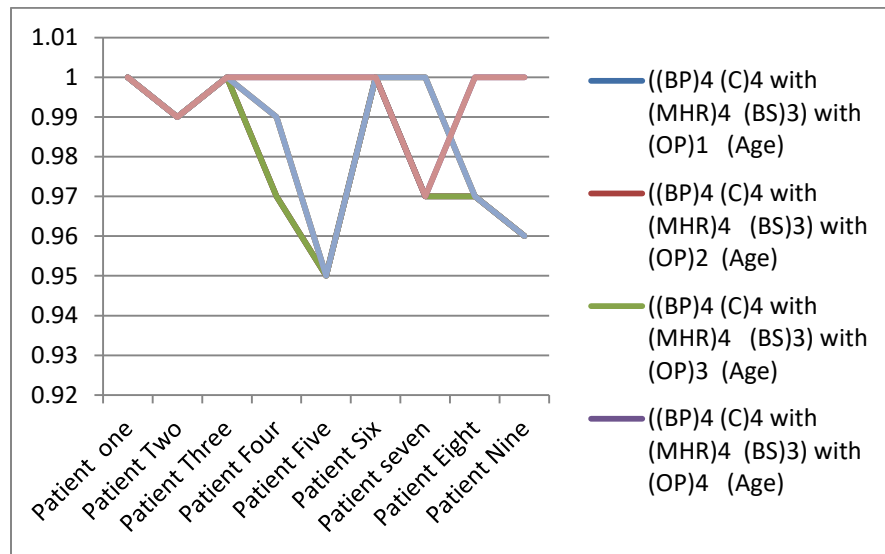Figure 129: (The resultant ((BP)4 (C)4 with ((MHR)3 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

	((BP)4 (C)4 with (MHR)4 (BS)1) with (OP)1 (Age)	((BP)4 (C)4 with (MHR)4 (BS)1) with (OP)2 (Age)	((BP)4 (C)4 with (MHR)4 (BS)1) with (OP)3 (Age)	((BP)4 (C)4 with (MHR)4 (BS)1) with (OP)4 (Age)	((BP)4 (C)4 with (MHR)4 (BS)2 with (OP)1 (Age)	((BP)4 (C)4 with (MHR)4 (BS)2) with (OP)2 (Age)	((BP)4 (C)4 with (MHR)4 (BS)2) with (OP)3 (Age)	((BP)4 (C)4 with (MHR)4 (BS)2) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Five	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.96	0.96	0.96	1.00	0.96	0.96	0.96	1.00

Follow table 23: (The resultant ((BP)4 (C)4 with ((MHR)4 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

Figure 130: (The resultant ((BP)4 (C)4 with ((MHR)4 (BS)j, j=1,2) with (OP)i (Age), i=1,2,3,4

	((BP)4 (C)4 with (MHR)4 (BS)3) with (OP)1 (Age)	((BP)4 (C)4 with (MHR)4 (BS)3) with (OP)2 (Age)	((BP)4 (C)4 with (MHR)4 (BS)3) with (OP)3 (Age)	((BP)4 (C)4 with (MHR)4 (BS)3) with (OP)4 (Age)	((BP)4 (C)4 with (MHR)4 (BS)4) with (OP)1 (Age)	((BP)4 (C)4 with (MHR)4 (BS)4) with (OP)2 (Age)	((BP)4 (C)4 with (MHR)4 (BS)4) with (OP)3 (Age)	((BP)4 (C)4 with (MHR)4 (BS)4) with (OP)4 (Age)
Patient one	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Two	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Patient Three	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient Four	0.97	0.97	0.97	1.00	0.99	0.99	0.99	1.00
Patient Five	0.95	0.95	0.95	1.00	0.95	0.95	0.95	1.00
Patient Six	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Patient seven	0.97	0.97	0.97	0.97	1.00	1.00	1.00	0.97
Patient Eight	0.97	0.97	0.97	1.00	0.97	0.97	0.97	1.00
Patient Nine	0.96	0.96	0.96	1.00	0.96	0.96	0.96	1.00

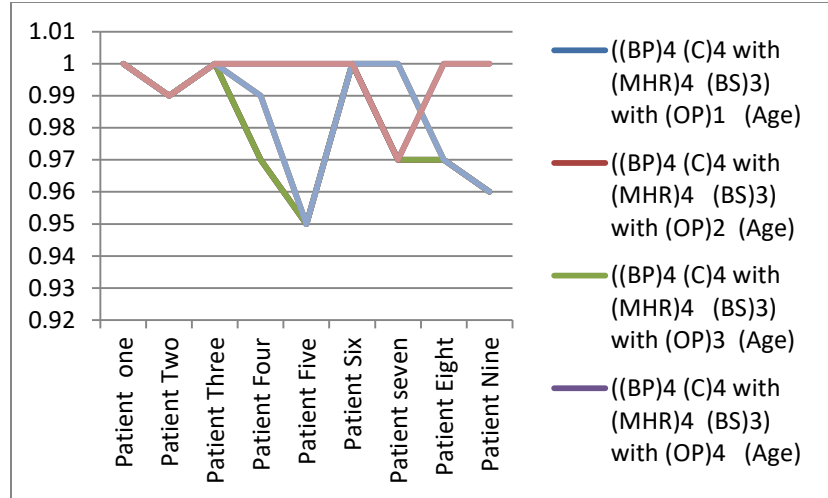Follow table 23: (The resultant ((BP)4 (C)4 with ((MHR)4 (BS)j, j=3,4) with (OP)i (Age), i=1,2,3,4

Figure 131 : (The resultant ((BP)4 (C)4 with ((MHR)4 (BS)j, j=3,4) with (OP)i   (Age), i=1,2,3,4

Now, only for patient one from tables 8 and followes 8 we calculate the sum all elements in first row (in table 8 found 8 values and any table in followes 8 have also 8 values extend to all tables 8 (8 and followes 8) found 8×8 = 64 values . And go to the next table 9 and followes 9 found 8×8 = 64 values   continuous   to   table 23 and Follow table 23 found in all tables from 8 and Follow table 8 to 23 to Follow table 23 we found $64 \times 16 = 1024$ (we calculate all these values from all tables in table 24) values from all tables   for only one patients   is value equal   996.47   see table 25. We calculate all values for all patients by the same fashion see table 25.

	Sum Tables 8 and follows 8	Sum Tables 9 and follows 9	Sum Tables 10and follows 10	Sum Tables 11and follows 11	Sum Tables 12and follows 12	Sum Tables 13and follows 13	Sum Tables 14and follows 14	Sum Tables 15and follows 15	Sum Tables 16and follows 16
Patient one	59.28	60.15	60.7	64	60.25	60.25	60.7	64	62.38
Patient Two	61.73	62.13	62.13	62.13	62.17	62	62.19	62.18	62.3
Patient Three	55.39	55.68	56.52	64	58.59	58.59	58.59	64	57.06
Patient Four	58.6	59.2	59.2	59.2	59.86	59.44	59.44	59.22	59.9
Patient Five	57.16	57.92	58.72	59.98	57.92	57.92	58.72	59.8	58.38
Patient Six	61.18	63.19	62.02	62.38	61.78	63.07	62.02	62.38	62.74
Patient seven	59.75	60.54	60.78	61.44	61.14	61.14	61.16	61.44	61.71
Patient Eight	60.81	61.08	61.08	61.24	61.03	61.08	61.08	61.062	61.75
Patient Nine	58.67	58.22	58.78	62.08	58.22	58.22	58.78	62.02	58.02

Table 24

	Sum Tables 17and follows 17	Sum Tables 18and follows 18	Sum Tables 19and follows 19	Sum Tables 20and follows 20	Sum Tables 21and follows 21	Sum Tables 22and follows 22	Sum Tables 23and follows 23
Patient one	62.38	62.38	64	64	64	64	64
Patient Two	62.43	62.47	62.47	63.36	63.36	63.36	63.36
Patient Three	57.12	57.06	63.8	57.33	57.39	57.27	64
Patient Four	59.92	59.92	59.82	62.8	62.8	62.8	62.8
Patient Five	58.54	58.72	59.98	59.62	59.62	59.62	59.98
Patient Six	63.07	62.74	62.74	64	64	64	64
Patient seven	61.68	61.68	61.63	62.46	62.56	62.56	62.44
Patient Eight	61.63	61.75	61.69	62.56	62.56	62.56	62.56
Patient Nine	57.94	58.66	62.08	61.24	61.24	61.24	62.08

Follow Table 24

From the described by Kong et al. [34], we draw the way to calculate, we compute $m_i = \sum_{k=1}^{8}(x_k)(i)$, $x \in X$, $(i = 1,2,3, \ldots.,9)$ and i mean the properties for the patients differents from table to another tables and From table 25 compute $r_i = \sum_{i}^{9} m_i - m_j$ $(j = 1,2,3,4, \ldots.,9)$ to state the degree of risk , then

All patients	Total Sum m_i
Patient one	996.47
Patient Two	999.77
Patient Three	942.39
Patient Four	964.92
Patient Five	942.6
Patient Six	1005.31
Patient seven	984.11
Patient Eight	985.522
Patient Nine	957.49

Table 25

$r_1 = (m_1 - m_1) + (m_1 - m_2) + (m_1 - m_3) + (m_1 - m_4)(m_1 - m_5) + (m_1 - m_6) + (m_1 - m_7) + (m_1 - m_8) = ((m_1 - m_9) = (996.47 - 996.47) + (996.47 - 999.77) + (996.47 - 942.39) + (996.47 - 964.92) + (996.47 - 942.6) + (996.47 - 1005.31) + (996.47 - 984.11) + (996.47 - 985.522) + (996.47 - 957.49) = 189.648$, Similarly, $r_2 = 219.348$, $r_3 = -297.072$, $r_4 = -94.302$, $r_5 = -295.182$, $r_6 = 269.208$, $r_7 = 78.408$, $r_8 = 91.116$, $r_9 = -161.172$

3. Comparison between decision doctor and our decision

We begin by the following data for nine patients with asymptotes in the table 2 and now arrived in above step to state the degree of risks for all patients, now again the same data with decision doctor and our decision in table 26, Our results and treatments by taking four reading of all asymptotes, but the treatments by doctor take by only one reading see figure 132 .

P	Degree of risk by us	Rearrangement the risks	Treatments by us	Treatments by doctor
p_1	189.648	3	Intervention	Drug therapy
p_2	219.348	2	Intervention	Drug therapy
p_3	-297.072	9	Non	Drug therapy
p_4	-94.302	6	Drug therapy	Intervention
p_5	-295.182	8	Non	Intervention
p_6	269.208	1	Intervention	Intervention
p_7	78.408	5	Drug therapy	Intervention
p_8	91.116	4	Intervention	Drug therapy
p_9	-161.172	7	Drug therapy	Intervention

Table 26
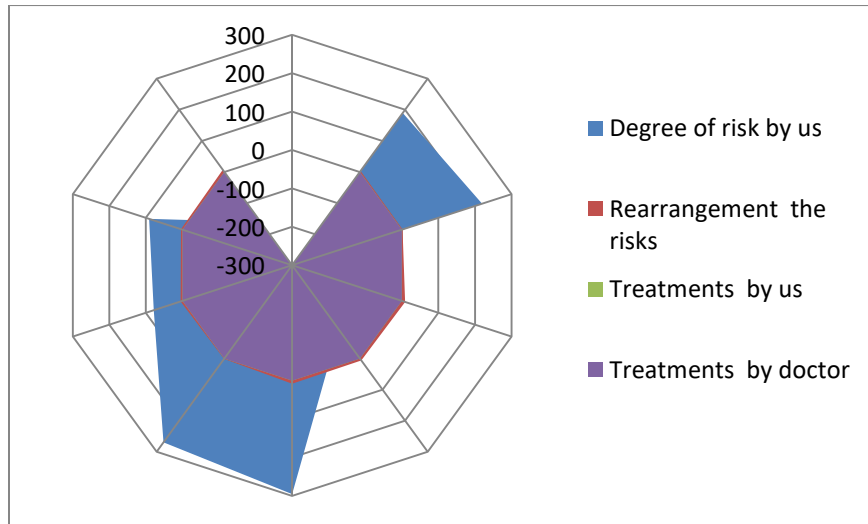
Figure 132: Comparison between decision doctor and our decision

Motivated from the above problem, we give the following algorithm for decision- making problem:

Algorithm: Using Fuzzy soft set expert system.

Step 1. State a reality values in table 2 of asymptotes of coronary artery disease and transform to fuzzy form in table 3

Step 2. The resultant of symptoms (Blood pressure (**BP**) And Cholesterol (**C**)) of coronary artery disease in fuzzy form in table 4 and By the same fashion we introduce the resultant of symptoms (Maximum heart rate (**MHR**) and Blood sugar (**BS**) in table 5 and figure 2 and the resultant of symptoms (Old peak (**OP**) and Age (**Age**)) in table 6 and figure 3 of coronary artery disease in fuzzy form

Step 3. Now from tables 4 and 5, we will have 16×16 parameters by take (BP)1 (C)1 in table 4 for the patients with all parameters of patients in table 5, (BP)1 (C)2 in table 4 for the patients with all parameters of patients in table 5 and (BP)1 (C)3 in table 4 for the patients with all parameters of patients in table 5, (BP)1 (C)4 in table 4 for the patients with all parameters of patients in table 5 and complete by the same way to arrive to the parameter (BP)4 (C)4 in table 4 for the patients with all parameters of patients in table 5.

The statement (BP)1 (C)1 with (MHR)1 (BS)1 mean that $70 \vee 75 = 75$ and (BP)1 (C)1 with (MHR)1 (BS)2 mean that $70 \vee 84 = 84$ and (BP)1 (C)2 with (MHR)1 (BS)1 mean that $70 \vee 75 = 75$ by this fashion complete all values to get table 7. And table 7 with all follows table's only one table by the long $16 \times 16 = 256$ parameters.

Step 4. From tables 7 and 6, we will have 256×4 parameters by take ((BP)1 (C)1 with (MHR)1 (BS)1) with (OP)1 (Age), (OP)2 (Age), (OP)3 (Age) and (OP)4 (Age) respectively and ((BP)1 (C)2 with (MHR)1 (BS)1) with (OP)1 (Age), (OP)2 (Age), (OP)3 (Age) and (OP)4 (Age) respectively for all patients such that ((BP)1 (C)1 with (MHR)1 (BS)1) with (OP)1 (Age) mean that $0.75 \vee 0.62 = 0.75$ and complete by take all values of table 7 with (OP)1 (Age), (OP)2 (Age), (OP)3 (Age) and (OP)4 (Age) respectively to get 1024 parameters in the following tables (8-23).

Step 5. For patient one from tables 8 and followes 8 we calculate the sumations all elements in first row (in table 8 found 8 values and any table in followes 8 have also 8 values extend to all tables 8 (8 and followes 8) found $8 \times 8 = 64$ values . Amd go to the next table 9 and followes 9 found $8 \times 8 = 64$ values continuous to table 23 and Follow table 23 found in all tables from 8 and Follow table 8 to 23 to Follow table 23 we found $64 \times 16 = 1024$ (we calculate all these values from all tables in table 24) values from all tables for only one patients is value equal 996.47 see table 25. We calculate all values for all patients by the same fashion see table 25.

Step 6. From the described by Kong et al. [34], we draw the way to calculate, we compute $m_i = \sum_{k=1}^{8} (x_k)(i)$, $x \in X$, $(i = 1,2,3,\ldots,9)$ and i mean the properties for the patients differents from table to another tables and From table 25 compute $r_i = \sum_{i}^{9} m_i - m_j$ $(j = 1,2,3,4,\ldots,9)$ to state the degree of risk

Conclusion

We transform the reality data for a symptoms for Coronary artery disease from hospital to fuzzy form and extend to fuzzy soft set expert system and a combinations the parameters between a symptoms arrive to talked the treatments of Coronary artery disease A comparison between our treatments and treatments hospital are discussed. Our results and treatments by taking four reading of all asymptotes, but the treatments by doctor take by only one reading.

References

1. Park, K.: Park 's Textbook of Preventive and Social Medicine. Banarsidas Bhanot, Madhya Pradesh (2015).

2. Schuster, A., Adamson, K., Bell, D.A.: Decision-making on fuzzy pieces of evidence. In: Workshop on Intelligent Data Analysis in Medicine and Pharmacology, pp. 114–116. Washington DC, USA (1999)

3. Miller, R.A., Pople, H.E., Myers, J.D.: INTERNIST-1: an experimental omputer based diagnostic consultant for general internal medicine. N. Engl. J. Med. 307(8), 468–476 (1982)

4. Adlassnig, K.P., Kolarz, G.: Computer-assisted medical diagnosis using fuzzy subsets. In: Gupta, M.M., Sanchez, E. (eds.) Approximate Reasoning In Decision Analysis, pp. 219–247 (1982)

5. Vaisi-Raygani, A., Ghaneialvar, H., Rahimi, Z., Nomani, H., Saidi, M., Bahrehmand, F., Tavilani, H., Pourmotabbed, T.: The angiotensin converting enzyme D allele is an independent risk factor for early onset coronary artery disease. Clin. Biochem. 43(15), 1189–1194 (2010)

6. Genest, J.J., Bard, J.M., Fruchart, J.C., Ordovas, J.M., Wilson, P.F., Schaefer, E.J.: Plasma apolipoprotein A-I, A-II, B, E and C-III containing particles in men with premature coronary artery disease. Atherosclerosis 90(2–3), 149–157 (1991)

7. Chirinos, J.A., Veerani, A., Zambrano, J.P., Schob, A., Perez, G., Mendez, A.J., Chakko, S.: Evaluation of comorbidity scores to predict all-cause mortality in patients with established coronary artery disease. Int. J. Cardiol. 117(1), 97–102 (2007)

8. Gamberger, D., Lavracˇ, N., Krstacˇicˊ, G.: Active subgroup mining: a case study in coronary heart disease risk group detection. Artif. Intell. Med. 28(1), 27–57 (2003)

9. Wung, S.F., Drew, B.: Comparison of 18-lead ECG and selected body surface potential mapping leads in determining maximally deviated ST lead and efficacy in detecting acute myocardial ischemia during coronary occlusion. J. Electrocardiol. 32, 30–37 (1999)

10. Ranjith, P., Baby, P.C., Joseph, P.: ECG analysis using wavelet transform: application to myocardial ischemia detection. ITBMRBM 24(1), 44–47 (2003)

11. Ge, D., Sun, L., Zhou, J., Shao, Y.: Discrimination of myocardial infarction stages by subjective feature extraction. Comput. Methods Prog. Biomed. 95(3), 270–279 (2009)

12. Turkoglu, I., Arslan, A., Ilkay, E.: An expert system for diagnosis of the heart valve diseases. Expert Syst. Appl. 23(3), 229–236 (2002)

13. Polat, K., Sahan, S., Gu¨nes, S.: A new method to medical diagnosis: artificial immune recognition system (AIRS) with fuzzy weighted pre-processing and application to ECG arrhythmia. Expert Syst. Appl. 31(2), 264–269 (2006)

14. Polat, K., Sahan, S., Gu¨nes, S.: Automatic detection of heart disease using an artificial immune recognition system (AIRS) with fuzzy resource allocation mechanism and K-Nn (nearestneighbour) based weighting preprocessing. Expert Syst. Appl. 32(2), 625–631 (2007)

15. Martis, R.J., Chakraborty, C., Ray, A.K.: A two-stage mechanism for registration and classification of ECG using Gaussian Mixture Model. Pattern. Recog. 42(11), 2979–2988 (2009)

16. Martis, R.J., Krishnan, M.M.R., Chakraborty, C., Pal, S., Sarkar, D., Mandana, K.M., Ray, A.K.: Automated screening of arrhythmia using wavelet based machine learning techniques. J. Med. Syst. 36(2), 677–88 (2012)

17. Martis, R.J., Chakraborty, C.: Arrhythmia disease diagnosis using neural network using SVM and genetic algorithm optimized k-means clustering. J. Mech. Med. Biol. 11(4), 897–915 (2011)

18. Kochurani, O.G., Aji, S., Kamal, M.R.: A neuro fuzzy decision tree model for predicting the risk in coronary artery disease. IEEE 22nd International Symposium on Intelligence Control ISIC 2007, pp. 166–171 (2007)

19. Tsipouras, M.G., Exarchos, T.P., Fotiadis, D.I., Kotsia, A.P., Vakalis, K.V., Naka, K.K., Michalis, L.K.: Automated diagnosis of coronary artery disease based on data mining and fuzzy modelling. IEEE Trans. Inf. Technol. Biomed. 12(4), 447–458 (2008)

20. Kurt, I., Ture, M., Kurum, A.T.: Comparing performances of logistic regression, classification and regression tree and neural networks for predicting coronary artery disease. Expert Syst. Appl. 34(1), 366–374 (2008)

21. Das, R., Turkoglu, I., Sengur, A.: Effective diagnosis of heart disease through neural networks ensembles. Expert Syst. Appl. 36(4), 7675–7680 (2009)

22. Adeli, A., Neshat, M.: A fuzzy expert system for heart disease diagnosis. In: Proceedings of International Multi Conference of Engineers and Computer Scientists, vol. 1, pp. 134–139. Hong Kong (2010)

23. Kumar, P.G., Victoire, T.A.A., Renukadevi, P., Devaraj, D.: Design of fuzzy expert system for microarray data classification using a novel genetic swarm algorithm. Expert Syst. Appl. 39(2), 1811–1821 (2012)

24. Muthukaruppan, S., Er, M.J.: A hybrid particle swarm optimization based fuzzy expert system for the diagnosis of coronary artery disease. Expert Syst. Appl. 39(14), 11657–11665 (2012)

25. Nahar, J., Imam, T., Tickle, K.S., Chen, Y.P.P.: Association rule mining to detect factors which contribute to heart disease in males and females. Expert Syst. Appl. 40(4), 1086–1093 (2013)

26. Mohammadpour, R.A., Abedi, S.M., Bagheri, S., Ghaemian, A.: Fuzzy rule-based classification system for assessing coronary artery disease. Comput. Math. Methods Med. (2015).

27. Hedeshi, N.G., Abadeh, M. S.: Coronary artery disease detection using a fuzzy-boosting PSO approach. Comput. Intell. Neurosci.(2014).

28. Patidar, S., Pachori, R.B., Acharya, U.R.: Automated diagnosis of coronary artery disease using tunable-Q wavelet transform applied on heart rate signals. Knowl. Based Syst. (2015).

29. Negahbani, M., Joulazadeh, S., Marateb, H.R., Mansourian, M.: Coronary artery disease diagnosis using supervised fuzzy C-means with differential search algorithm based generalized Minkowski metrics. Peertechz J. Biomed. Eng. 1(1), 6–14 (2015)

30. Molodtsov, D.: Soft set theory-first results. Comput. Math. Appl. 37(4–5), 19–31 (1999)

31. Maji, P.K., Biswas, R., Roy, A.R.: Soft set theory. Comput. Math. Appl. 45(4–5), 555–562 (2003)

32. Maji, P.K., Biswas, R., Roy, A.R.: Fuzzy soft sets. J. Fuzzy Math. 9(3), 589–602 (2001)

33. Roy, A.R., Maji, P.K.: A fuzzy soft set theoretic approach to decision making problems. J. Comput. Appl. Math. 203(2), 412–418 (2007)

34. Kong, Z., Gao, L., Wang, L.: Comment on ''A fuzzy soft set theoretic approach to decision making problems''. J. Comput. Appl. Math. 223(2), 540–542 (2009)

35. Feng, F., Jun, Y.B., Liu, X.Y., Li, L.F.: An adjustable approach to fuzzy soft set based decision making. J. Comput. Appl. Math. 234(1), 10–20 (2010)

36. Zadeh, L.A.: Fuzzy sets. Inf. Control. 8, 338–353 (1965) 37.

37. Kong, Z., Gao, L., Wang, L., Li, S.: The normal parameter reduction of soft sets and its algorithm. Comput. Math. Appl. 56(12), 3029–3037 (2008)

38. Sikchi, S.S., Sikchi, S., Ali, M.S.: Design of fuzzy expert system for diagnosis of cardiac diseases. Int. J. Med. Sci. Public Health 2(1), 56–61 (2013)