



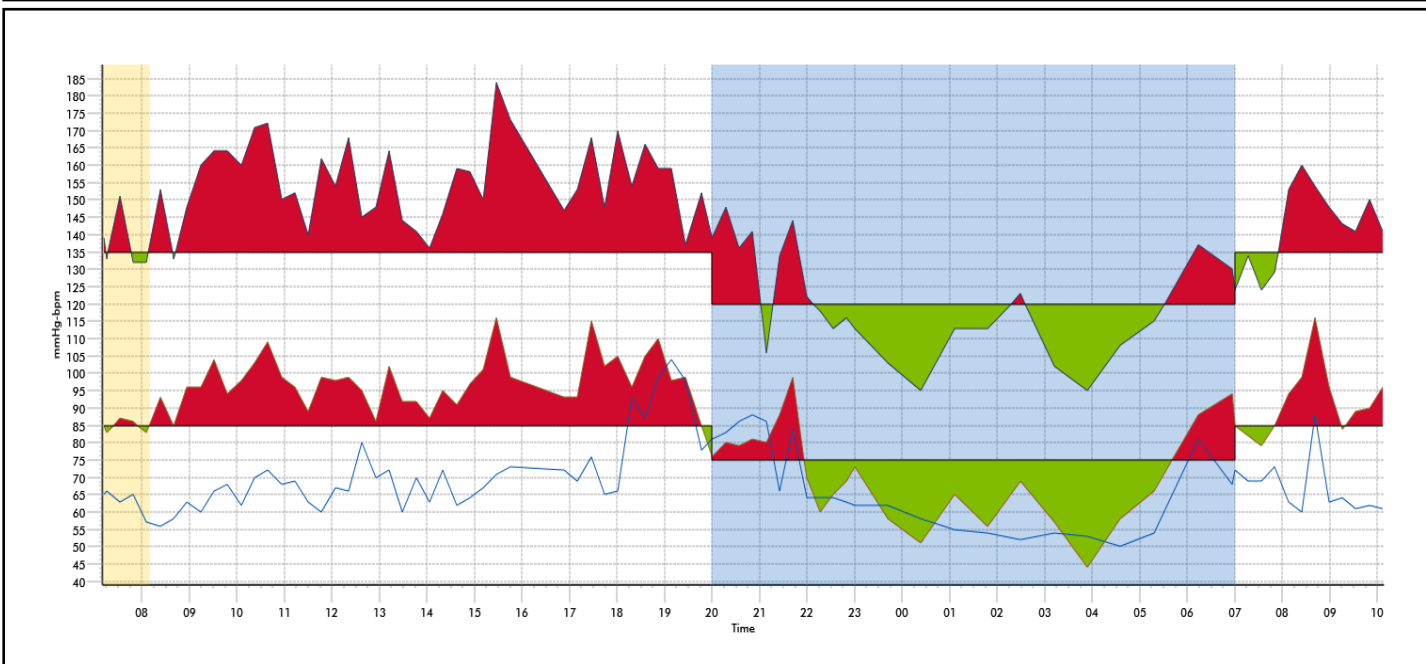
Ambulatory Blood Pressure Report

Patient Name :	Sample 2 Hypertensive Data	Test Date:	6/9/2015
Patient ID :	74642-D	Date of Birth :	3/11/1950
		Gender :	

Interpretive Summary

Based upon JNC 7 and AHA recommendations, the ABPM data suggests:

- 24 hour SYS and DIA hypertension (142/88 mmHg)
 - awake SYS and DIA hypertension (151/95 mmHg)
 - Normal asleep SYS and DIA pressure (120/71 mmHg)
- Asleep dip is 20.4 % SYS and 25.7 % DIA, Dipper (normal).



Brachial BP Results

Period	Time	Samples	Mean SYS mmHg (+/- Std.Dev)	Mean DIA mmHg (+/- Std.Dev)	Mean HR BPM (+/- Std.Dev)	BP Load Sys (%)	BP Load Dia (%)
Overall	07:11-10:07 (26:56)	78	142 (+/-19.8)	88 (+/-15.3)	69 (+/-11.2)	73	69
Awake Period	07:00-20:00	55	151 (+/-13.3)	95 (+/-8.7)	69 (+/-10.5)	85	82
Asleep Period	20:00-07:00	23	120 (+/-15.8)	71 (+/-14.1)	67 (+/-12.9)	43	39
White Coat Period	07:11-08:10 (1st Hr.)	5				40	40
	Max		151	87	66		
	Mean		137	85	63		
Asleep Dip:	SYS = 20.4% DIA =25.7%						

Referring physician Dr. Jonathon Hawking

Interpreting physician Dr. Roberta Mariotto

Signature

Date

Signature

Date



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Central BP Results

Period	Time	Samples	cSYS	cDIA	cAix	cAix@75	cAP	cPP	cMAP
Overall	07:11-10:07 (26:56)	78	131	89	32	29	14	42	106
Awake Period	07:00-20:00	55	139	96	31	28	14	43	114
Asleep Period	20:00-07:00	23	112	72	34	32	14	40	88
White Coat Period	07:11-08:10 (1st Hr.)	5							
Max			135	88	42	35	19	47	105
Mean			127	86	32	25	13	41	101



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Patient Information

Weight : 98 Kg **Height :** 5'9" **Race :** Caucasian

Telephone :

Address : 3450 Ravenscroft Lane, Morton on Marsh, Hedgerow, Hampshire, RG3 C3P, UK

Patient History

Patient has a history of hypertension. Has been taking anti-hypertensive medications for the previous 7 years. Recent office visits show BP is elevating.

Current Medication

Lisinipril 20 mg
Medication 2 2 mg bid

Physician Interpretation

Patient is manifesting BP values of significant concern. BP Load demonstrates further intervention is warranted. This patient has been treated for hypertenison for 7 years, one consideration is that the patient may indeed have resistant hypertension. As Lisinopril is prescribed daily, it is suggested that the dose be increased to 40 mg and a thiazide diuretic be added to the regimen if needed.

A follow up ABPM study is needed in 4 weeks to assess the efficacy of modified regimen.

Reason for Test

Suspected resistant hypertension



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ABPM Statistics

Overall Period:	Time: 07:11 - 10:07	Duration: 26:56	Samples: 78 of 81 (96%)
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	Mean	Std. Dev.	Max (time)	Min (time)	Above Threshold	CV
SYS (mmHg)	142	+/-19.8	184 (15:28)	95 (00:24)		13.9%
DIA (mmHg)	88	+/-15.3	116 (15:28)	44 (03:54)		17.4%
HR (bpm)	69	+/-11.2	104 (19:09)	50 (04:36)		16.2%
MAP (mmHg)	106	+/-16.4	139 (15:28)	61 (03:54)		15.5%
PP (mmHg)	54	+/-9.1	74 (15:45)	26 (21:08)		16.9%
cSYS (mmHg)	131	+/-17.8	175 (15:28)	88 (03:54)		13.6%
cDIA (mmHg)	89	+/-15.6	119 (17:27)	45 (03:54)		17.5%
cAlx (%)	32	+/-12.7	73 (08:08)	-28 (21:08)	--	39.7%
cAlx@75 (%)	29	+/-11.5	72 (08:08)	11 (12:21)	--	39.7%
cAP (mmHg)	14	+/-6	36 (08:08)	-4 (21:08)	--	42.9%
cPP (mmHg)	42	+/-7.4	59 (15:45)	13 (21:08)	--	17.6%
cMAP (mmHg)	106	+/-16.9	140 (15:28)	59 (03:54)		15.9%
BP Load :	73% of SYS readings > 135 mmHg awake and > 120 mmHg asleep 69% of DIA readings > 85 mmHg awake and > 75 mmHg asleep					
Asleep Dip:	20.4% SYS and 25.7% DIA reductions during sleep 19.6% cSYS and 25.4% cDIA reductions during sleep					
AASI:						
Morning Surge:	Insufficient data to calculate					
Smoothness Index:						

Awake Period:	Time: 07:00 - 20:00	Samples: 55 of 58 (95%)
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	Mean	Std. Dev.	Max (time)	Min (time)	Above Threshold	CV
SYS (mmHg)	151	+/-13.3	184 (15:28)	124 (07:00)		8.8%
DIA (mmHg)	95	+/-8.7	116 (15:28)	79 (07:34)		9.2%
HR (bpm)	69	+/-10.5	104 (19:09)	56 (08:23)		15.2%
MAP (mmHg)	114	+/-9.7	139 (15:28)	94 (07:34)		8.5%
PP (mmHg)	56	+/-8.5	74 (15:45)	38 (19:26)		15.2%
cSYS (mmHg)	139	+/-12.1	175 (15:28)	116 (07:34)		8.7%
cDIA (mmHg)	96	+/-9.2	119 (17:27)	80 (07:34)		9.6%
cAlx (%)	31	+/-11	73 (08:08)	8 (12:38)	--	35.5%
cAlx@75 (%)	28	+/-11.7	72 (08:08)	11 (12:21)	--	41.8%
cAP (mmHg)	14	+/-6.1	36 (08:08)	3 (12:38)	--	43.6%
cPP (mmHg)	43	+/-7	59 (15:45)	30 (08:42)	9%	16.3%
cMAP (mmHg)	114	+/-10.5	140 (15:28)	95 (07:34)		9.2%
BP Load :	85% of SYS readings > 135 mmHg 82% of DIA readings > 85 mmHg 100% of cSYS readings > 110 mmHg					



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Asleep Period: Time: 20:00 - 07:00 Samples: 23 of 23 (100%)

	Mean	Std. Dev.	Max (time)	Min (time)	Above Threshold	CV
SYS (mmHg)	120	+/-15.8	148 (20:17)	95 (00:24)		13.2%
DIA (mmHg)	71	+/-14.1	99 (21:42)	44 (03:54)		19.9%
HR (bpm)	67	+/-12.9	88 (20:51)	50 (04:36)		19.3%
MAP (mmHg)	87	+/-14	114 (21:42)	61 (03:54)		16.1%
PP (mmHg)	49	+/-9	68 (20:17)	26 (21:08)		18.4%
cSYS (mmHg)	112	+/-13.8	135 (20:17)	88 (03:54)		12.3%
cDIA (mmHg)	72	+/-14.1	100 (21:42)	45 (03:54)		19.6%
cAlx (%)	34	+/-16.2	53 (22:50)	-28 (21:08)	--	47.6%
cAlx@75 (%)	32	+/-10.8	47 (22:50)	14 (02:30)	--	33.8%
cAP (mmHg)	14	+/-5.9	23 (21:59)	-4 (21:08)	--	42.1%
cPP (mmHg)	40	+/-8	53 (20:17)	13 (21:08)	--	20.0%
cMAP (mmHg)	88	+/-15.3	115 (21:42)	59 (03:54)		17.4%
BP Load :	43% of SYS readings > 120 mmHg 39% of DIA readings > 75 mmHg					

White Coat Period: Time: 07:11 - 08:10 Samples: 5 of 5 (100%)

	Mean	Std. Dev.	Max (time)	Min (time)	Above Threshold	CV
SYS (mmHg)	137	+/-8.1	151 (07:32)	132 (07:49)		5.9%
DIA (mmHg)	85	+/-1.8	87 (07:32)	83 (07:15)		2.1%
HR (bpm)	63	+/-3.6	66 (07:15)	57 (08:06)		5.7%
MAP (mmHg)	102	+/-3.6	108 (07:32)	99 (08:06)		3.5%
PP (mmHg)	53	+/-7	64 (07:32)	46 (07:49)		13.2%
cSYS (mmHg)	127	+/-5.7	135 (07:32)	123 (07:15)		4.5%
cDIA (mmHg)	86	+/-1.8	88 (07:32)	84 (07:15)		2.1%
cAlx (%)	32	+/-7.6	42 (07:11)	23 (07:32)	--	23.8%
cAlx@75 (%)	25	+/-7.3	35 (07:11)	16 (07:32)	--	29.2%
cAP (mmHg)	13	+/-3.8	19 (07:11)	9 (07:49)	--	29.2%
cPP (mmHg)	41	+/-4.9	47 (07:32)	35 (07:49)	--	12.0%
cMAP (mmHg)	101	+/-2.9	105 (07:32)	98 (08:06)		2.9%
BP Load :	40% of SYS readings > 135 mmHg 40% of DIA readings > 85 mmHg 100% of cSYS readings > 110 mmHg					



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Reviewed ABP Data

#	Time	SYS/DIA (mmHg)	HR (BPM)	MAP (mmHg)	cSYS/cDIA (mmHg)	cAix (%)	cAix@75 (%)	cAP (mmHg)	cPP (mmHg)	Comment
1+	07:11	139/85 >	65	103	131/86 >	42	35	19	45	
2+	07:15	133/83	66	100	123/84 >	31	25	12	39	
3	07:32	151/87 >	63	108	135/88 >	23	16	11	47	Talking
4	07:49	132/86 >	65	101	123/87 >	27	21	9	35	Talking
5	08:06	132/83	57	99	123/84 >	37	29	14	39	
6	08:23	153/93 >	56	113	142/94 >	29	19	14	48	
7	08:40	133/85	58	101	122/85 >	24	17	9	37	
8	08:57	148/96 >	63	113	136/97 >	25	20	10	39	
9	09:14	160/96 >	60	117	147/97 >	32	25	16	50	
10	09:31	164/104 >	66	124	154/105 >	40	38	20	49	
11	09:48	164/94 >	68	117	148/95 >	23	17	12	53	
12	10:05	160/98 >	62	119	148/100 >	32	26	15	48	
13	10:22	171/103 >	70	126	153/105 >	22	20	10	48	
14	10:39	172/109 >	72	130	155/112 >	18	18	8	43	
15	10:56	150/99 >	68	116	138/99 >	23	19	9	39	
16	11:13	152/96 >	69	115	138/98 >	23	22	9	40	
17	11:30	140/89 >	63	106	129/90 >	32	28	13	40	
18	11:47	162/99 >	60	120	148/100 >	22	15	11	48	
19	12:04	154/98 >	67	117	143/99 >	36	33	16	44	
20	12:21	168/99 >	66	122	151/102 >	15	11	8	49	
21	12:38	145/95 >	80	112	129/96 >	8	11	3	34	
22	12:55	148/86 >	70	107	136/88 >	38	35	19	49	
23	13:12	164/102 >	72	123	149/102 >	27	24	12	47	
24	13:29	144/92 >	60	109	135/93 >	35	28	14	41	
25	13:46	141/92 >	70	108	128/94 >	16	13	6	35	
26	14:03	136/87 >	63	103	126/88 >	29	22	11	38	
27	14:20	146/95 >	72	112	133/97 >	16	16	6	36	
28	14:37	159/91 >	62	114	144/91 >	33	28	18	53	
29	14:54	158/97 >	64	117	147/98 >	39	33	19	48	
30	15:11	150/101 >	67	117	142/102 >	38	31	15	40	
31	15:28	184/116 >	71	139	175/118 >	38	34	22	57	
32	15:45	173/99 >	73	124	162/103 >	47	49	28	59	
35	16:53	147/93 >	72	111	133/96 >	17	18	7	38	
36	17:10	153/93 >	69	113	144/96 >	47	42	23	48	
37	17:27	168/115 >	76	133	153/119 >	17	33	6	33	
38	17:44	148/102 >	65	117	139/104 >	31	27	11	35	



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#	Time	SYS/DIA (mmHg)	HR (BPM)	MAP (mmHg)	cSYS/cDIA (mmHg)	cAIx (%)	cAIx@75 (%)	cAP (mmHg)	cPP (mmHg)	Comment
	17:45									Safety timeout
	17:45									Safety timeout
39	18:01	170/105 >	66	127	155/107 >	28	26	13	48	
40	18:18	154/96 >	93	115	142/99 >	28	37	12	43	
41	18:35	166/105 >	87	125	155/106 >	46	50	23	49	
42	18:52	159/110 >	99	126	147/110 >	23	28	9	37	
43	19:09	159/98 >	104	118	--/--	--	--	--	--	
44	19:26	137/99 >	98	112	130/99 >	39	51	12	31	
46	19:47	152/85 >	78	107	140/84 >	40	41	23	56	
47	20:00	139/76 >	81	97	125/78	32	38	15	46	
48	20:17	148/80 >	83	103	135/81	39	43	21	53	
49	20:34	136/79 >	86	98	127/83	38	42	17	44	
50	20:51	141/81 >	88	101	126/82	34	44	15	44	
51	21:08	106/80 >	86	89	96/83	-28	NC	-4	13	
52	21:25	134/88 >	66	103	126/88	37	34	14	37	
53	21:42	144/99 >	84	114	131/100	12	18	4	31	
	21:46									Change to night
54	21:59	122/70 >	64	87	117/71	50	44	23	46	
55	22:16	118/60	64	79	110/62	42	36	20	48	
56	22:33	113/65	64	81	106/65	42	37	17	41	
57	22:50	116/69	63	85	112/70	53	47	22	41	
58	23:00	113/73	62	86	109/75	48	41	16	34	
59	23:42	103/58	62	73	97/59	46	41	18	38	
60	00:24	95/51	58	66	90/52	40	31	15	38	
61	01:06	113/65	55	81	105/66	28	20	11	39	
62	01:48	113/56	54	75	103/57	29	19	14	46	
63	02:30	123/69 >	52	87	113/70	26	14	11	43	
64	03:12	102/57	54	72	95/58	26	14	10	37	
65	03:54	95/44	53	61	88/45	30	19	13	43	
66	04:36	108/58	50	75	103/59	38	27	17	44	
67	05:18	115/66	54	82	110/68	36	26	15	42	
	05:41									Change to day
68+	06:14	137/88 >	81	104	129/88	40	40	16	40	
69+	06:56	130/94 >	68	106	123/94	35	33	10	29	
70	07:00	124/85	72	98	117/85 >	37	35	12	32	
71	07:17	134/82	69	99	124/83 >	33	28	13	41	
72	07:34	124/79	69	94	116/80 >	36	34	13	36	



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#	Time	SYS/DIA (mmHg)	HR (BPM)	MAP (mmHg)	cSYS/cDIA (mmHg)	cAix (%)	cAix@75 (%)	cAP (mmHg)	cPP (mmHg)	Comment
73	07:51	129/85	73	100	123/85 >	45	42	17	38	
74	08:08	153/94 >	63	114	147/98 >	73	72	36	49	
75	08:25	160/99 >	60	119	148/100 >	30	22	15	48	
76	08:42	154/116 >	88	129	146/117 >	29	32	9	30	
77	08:59	148/96 >	63	113	141/97 >	46	40	20	44	
78	09:16	143/84 >	64	104	130/85 >	20	13	9	46	
79	09:33	141/89 >	61	106	131/90 >	34	26	14	41	
80	09:50	150/90 >	62	110	141/92 >	44	37	22	50	
81	10:07	141/96 >	61	111	131/97 >	21	15	7	34	



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Omitted ABP Data

#	Time	SYS/DIA (mmHg)	HR (BPM)	MAP (mmHg)	cSYS/cDIA (mmHg)	cAix (%)	cAix@75 (%)	cAP (mmHg)	cPP (mmHg)	EC
33	16:02	--/-- >	--	--	--/--	--	--	--	--	4
34	16:19	--/-- >	--	--	--/--	--	--	--	--	4
45	19:43	--/--	--	--	--/--	--	--	--	--	87

Events Marked

#	Time	Event Code	Comment
1	17:45	88	Safety timeout
2	17:45	88	Safety timeout
3	21:46	111	Change to night
4	05:41	112	Change to day



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Monitor System Configuration

Device Model :	Oscar2 M250	Serial Number :	00081042
Firmware Version BP :	O22731	Firmware Version CBP :	CB1002
Firmware Version UI :	UI3099	AccuWin Pro™ 4 Version :	4.0.3.162
Start Study in 5 Min :	OFF	Max Pressure :	260
Intervals :	Standard	Minimum time between readings :	1
Retry Attempts :	ON	Manual Readings :	ON
Brachial BP Only :	OFF	Selected Measurement	Brachial and Central
Audible Alerts :	ON	Button Configuration	Day/Night
Display Results :	ON		

Number of time periods :

#	Start Time	End Time	Brachial BP Interval (min)	Central BP Interval (min)

Dose response sequences (configured) :

#	Name	Time	Duration	Samples

Quality Control

QC Review Period Start :	0:00	QC Review Period End :	24:00
Scheduled Readings Captured :	80	Readings Captured Per Hour :	1
Hours Containing Readings :	21		

Error Code Definitions (EC)

1 = No signal	95 = Mosfet failure
2 = Artifact/Erratic signal	96 = Calibration error
3 = Retries exceeded	97 = Transducer failed
4 = Time limit exceeded	98 = ADC failure
5 = Out of range	99 = CRC failure
6 = BP not allowed	100 = Study event marker
7 = Reading unusable	101 =
50 = BP not allowed	102 =
85 = Blocked valve	103 =
86 = User abort	104 =
87 = Air leak	105 = Start Study
88 = Safety timeout	106 = Monitor turned off
89 = Cuff overpressure	107 = Study End
90 = Low batteries	108 = Start dose response
91 = Auto-zero failed	109 = End dose response
92 = BP comm error	111 = Change to night



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93 =	112 = Change to day
94 = Low battery	

See Operations Manual for AccuWin Pro™ 4 for further details on code description