



Test date: 09/22/17

Start: 09/22/17 01:24:57

Doctor: [REDACTED]

End: 09/22/17 10:13:17

ID#: [REDACTED]

Oximetry: Comprehensive Report

Comments: Overnight on CPAP sleep study breathing room air.

Recording time: 08:48:20
Excluded sampling: 00:00:04
Total valid sampling: 08:48:16

Highest pulse: 102
Lowest pulse: 61
Average pulse: 78

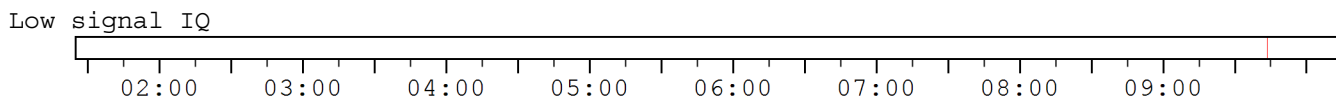
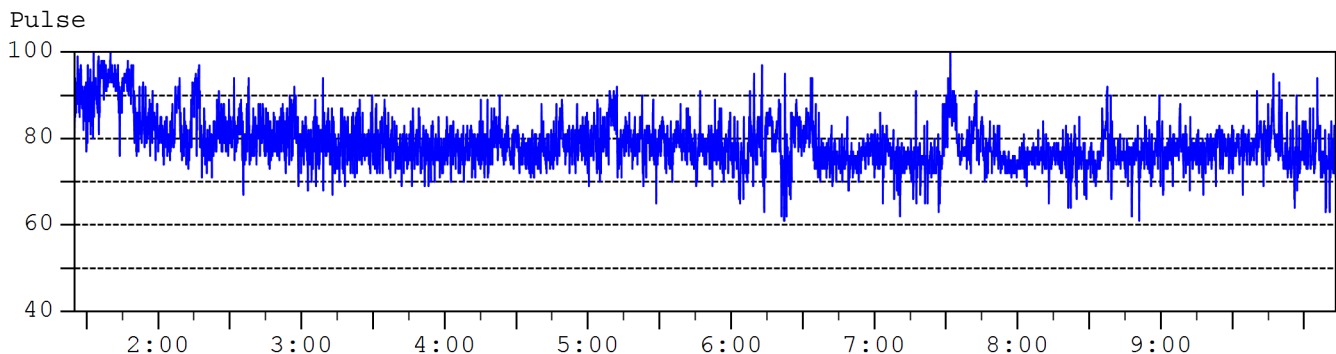
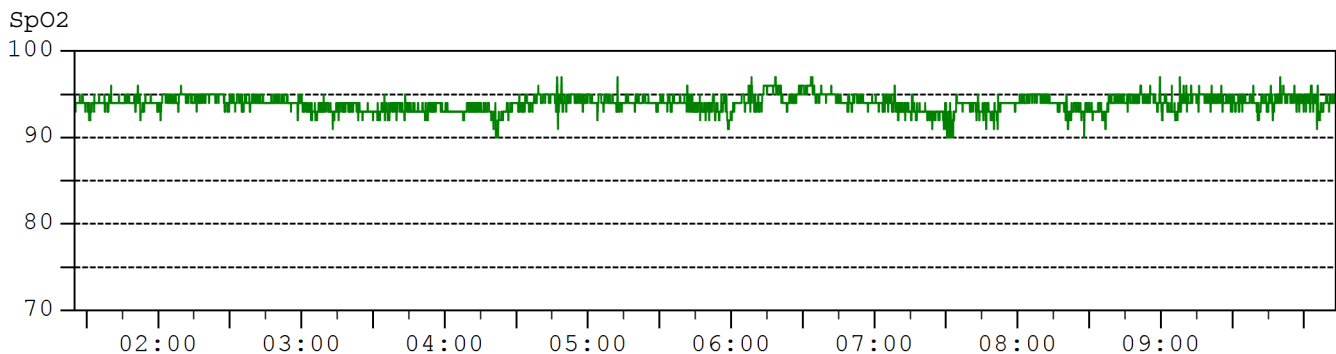
Highest SpO2: 97%
Lowest SpO2: 90%
Average SpO2: 93%

Time with SpO2 <90	00:00:00, 0.0%	Time with SpO2 ≥90:	08:48:16, 100.0
Time with SpO2 <80	00:00:00, 0.0%	Time with SpO2 ≥80 & <90:	00:00:00, 0.0%
Time with SpO2 <70	00:00:00, 0.0%	Time with SpO2 ≥70 & <80:	00:00:00, 0.0%
Time with SpO2 <60	00:00:00, 0.0%	Time with SpO2 ≥60 & <70:	00:00:00, 0.0%
Time with SpO2 <88	00:00:00, 0.0%		

The longest continuous time with saturation ≤88 was 00:00:00.

A desaturation event was defined as a decrease of saturation by 3 or more.
No events were excluded due to artifact.
There were 0 desaturation events over 3 minutes duration.

There were 35 desaturation events of less than 3 minutes duration during which:
The mean high was 95.2%. The mean low was 91.8%.
The mean length of events that were ≥10 sec & ≤3 mins was: 42 sec.
Desaturation event index (number of events per hour): 4



Oximeter: Respironics 920M Plus Nonin 2500 PalmSAT, A 4 second signal averaging Low Resolution Pulse Oximeter Serial #:



Test date: 09/22/17

Start: 09/22/17 01:24:57

Doctor: [REDACTED]

End: 09/22/17 10:13:17

ID#: [REDACTED]

Oximetry: Summary Report

Comments: Overnight on CPAP sleep study breathing room air.

Recording time: 08:48:20	Highest pulse: 102	Highest SpO2: 97%
Excluded sampling: 00:00:04	Lowest pulse: 61	Lowest SpO2: 90%
Total valid sampling: 08:48:16	Average pulse: 78	Average SpO2: 93%

Time with SpO2 <90	00:00:00, 0.0%	Time with SpO2 ≥90:	08:48:16, 100.0
Time with SpO2 <80	00:00:00, 0.0%	Time with SpO2 ≥80 & <90:	00:00:00, 0.0%
Time with SpO2 <70	00:00:00, 0.0%	Time with SpO2 ≥70 & <80:	00:00:00, 0.0%
Time with SpO2 <60	00:00:00, 0.0%	Time with SpO2 ≥60 & <70:	00:00:00, 0.0%
Time with SpO2 <88	00:00:00, 0.0%		

The longest continuous time with saturation ≤88 was 00:00:00.

A desaturation event was defined as a decrease of saturation by 3 or more.

No events were excluded due to artifact.

There were 0 desaturation events over 3 minutes duration.

There were 35 desaturation events of less than 3 minutes duration during which:

The mean high was 95.2%. The mean low was 91.8%.

The number of these events that were:

> 0 & <10 seconds:	0	> 0 seconds:	35
≥10 & <20 seconds:	5	≥10 seconds:	35
≥20 & <30 seconds:	9	≥20 seconds:	30
≥30 & <40 seconds:	3	≥30 seconds:	21
≥40 & <50 seconds:	9	≥40 seconds:	18
≥50 & <60 seconds:	0	≥50 seconds:	9
≥60 seconds:	9	≥60 seconds:	9

The mean length of desaturation events that were ≥10 sec & ≤3 mins was: 42 sec.

Desaturation event index (events ≥10 sec per sampled hour): 4.0

Desaturation event index (events ≥ 0 sec per sampled hour): 4



Test date: 09/22/17

Start: 09/22/17 01:24:57

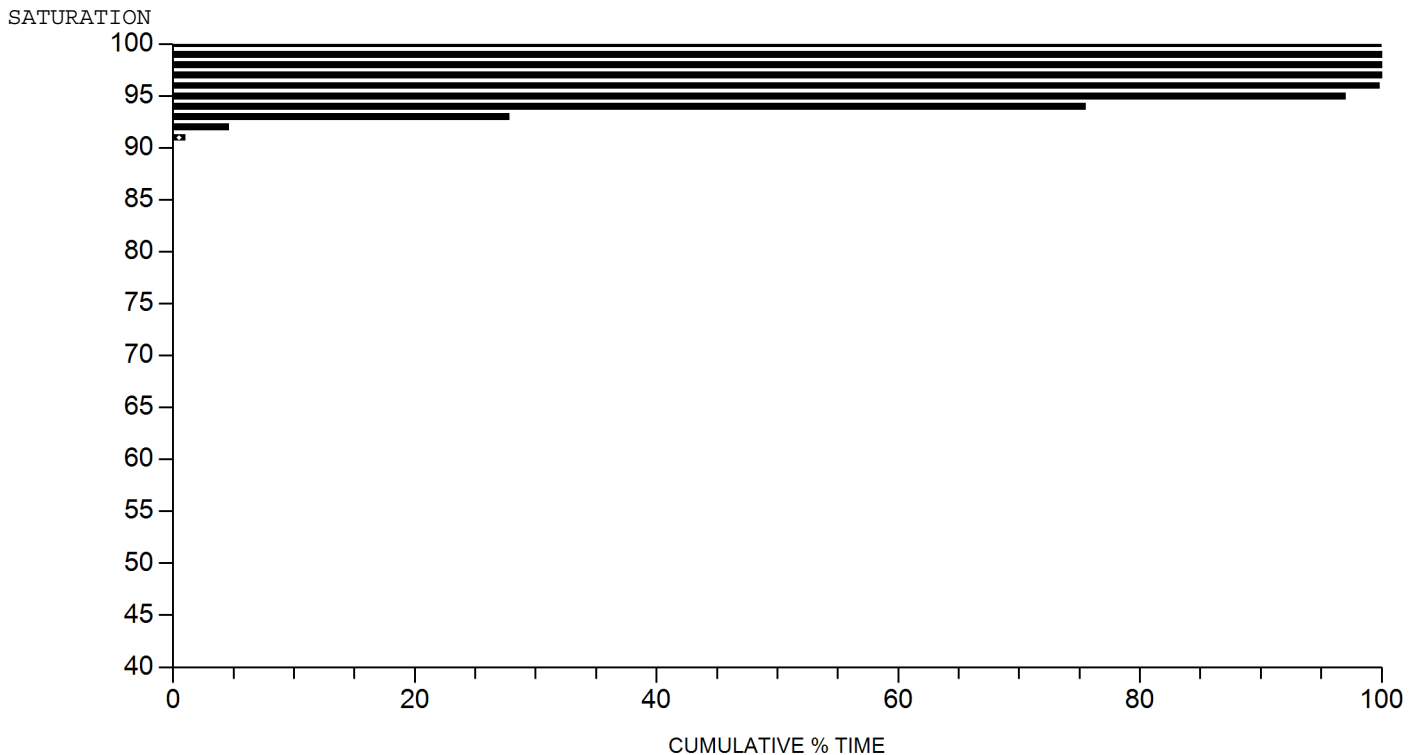
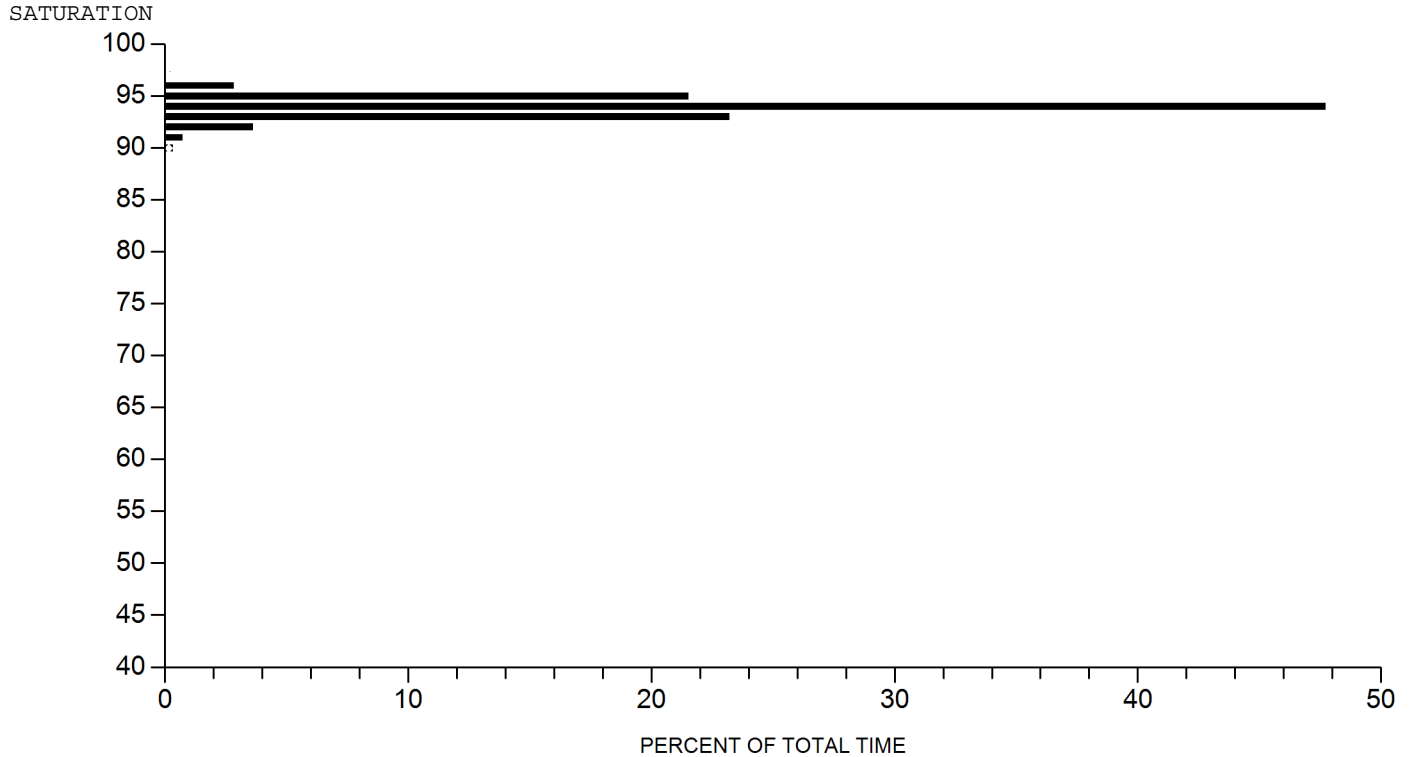
Doctor: [REDACTED]

End: 09/22/17 10:13:17

ID#: [REDACTED]

Oximetry: SpO2 % Times Graphic Report

Comments: Overnight on CPAP sleep study breathing room air.



Oximeter: Respironics 920M Plus Nonin 2500 PalmSAT, A 4 second signal averaging Low Resolution Pulse Oximeter Serial #:



Test date: 09/22/17

Start: 09/22/17 01:24:57

Doctor: [REDACTED]

End: 09/22/17 10:13:17

ID#: [REDACTED]

Oximetry: SpO2 % Times Text Report

Comments: Overnight on CPAP sleep study breathing room air.

SpO2:100 0.0 % time

SpO2: 99	0.0 % time	SpO2: 89	0.0 % time	SpO2: 79	0.0 % time
SpO2: 98	0.0 % time	SpO2: 88	0.0 % time	SpO2: 78	0.0 % time
SpO2: 97	0.2 % time	SpO2: 87	0.0 % time	SpO2: 77	0.0 % time
SpO2: 96	2.8 % time	SpO2: 86	0.0 % time	SpO2: 76	0.0 % time
SpO2: 95	21.5 % time	SpO2: 85	0.0 % time	SpO2: 75	0.0 % time
SpO2: 94	47.7 % time	SpO2: 84	0.0 % time	SpO2: 74	0.0 % time
SpO2: 93	23.2 % time	SpO2: 83	0.0 % time	SpO2: 73	0.0 % time
SpO2: 92	3.6 % time	SpO2: 82	0.0 % time	SpO2: 72	0.0 % time
SpO2: 91	0.7 % time	SpO2: 81	0.0 % time	SpO2: 71	0.0 % time
SpO2: 90	0.3 % time	SpO2: 80	0.0 % time	SpO2: 70	0.0 % time
Total 90's	100.0 %	Total 80's	0.0 % time	Total 70's	0.0 % time

SpO2: 69	0.0 % time	SpO2: 59	0.0 % time	SpO2: 49	0.0 % time
SpO2: 68	0.0 % time	SpO2: 58	0.0 % time	SpO2: 48	0.0 % time
SpO2: 67	0.0 % time	SpO2: 57	0.0 % time	SpO2: 47	0.0 % time
SpO2: 66	0.0 % time	SpO2: 56	0.0 % time	SpO2: 46	0.0 % time
SpO2: 65	0.0 % time	SpO2: 55	0.0 % time	SpO2: 45	0.0 % time
SpO2: 64	0.0 % time	SpO2: 54	0.0 % time	SpO2: 44	0.0 % time
SpO2: 63	0.0 % time	SpO2: 53	0.0 % time	SpO2: 43	0.0 % time
SpO2: 62	0.0 % time	SpO2: 52	0.0 % time	SpO2: 42	0.0 % time
SpO2: 61	0.0 % time	SpO2: 51	0.0 % time	SpO2: 41	0.0 % time
SpO2: 60	0.0 % time	SpO2: 50	0.0 % time	SpO2: 40	0.0 % time
Total 60's	0.0 % time	Total 50's	0.0 % time	Total 40's	0.0 % time

SpO2 <40 0.0 % time

Pulse Range	> 199	0.0 % time
Pulse Range	180 - 199	0.0 % time
Pulse Range	160 - 179	0.0 % time
Pulse Range	140 - 159	0.0 % time
Pulse Range	120 - 139	0.0 % time
Pulse Range	100 - 119	0.0 % time
Pulse Range	90 - 99	5.0 % time
Pulse Range	80 - 89	33.5 % time
Pulse Range	70 - 79	59.6 % time
Pulse Range	60 - 69	1.8 % time
Pulse Range	50 - 59	0.0 % time
Pulse Range	< 50	0.0 % time



Test date: 09/22/17

Start: 09/22/17 01:24:57

Doctor: [REDACTED]

End: 09/22/17 10:13:17

ID#: [REDACTED]

Oximetry: Desaturation Report

Comments: Overnight on CPAP sleep study breathing room air.

The following table lists the 35 desaturation events having the lowest drops. The event durations had to be within 3 minutes to qualify, and the event onset was defined as a decrease in SpO2 by 3 or more.

					Saturation:		Pulse Range:		
	Start date	Start time	End time	Duration	Onset	Low	Low	High	
1	09/22/17	01:52:17	01:52:41	00:00:24	95	92	81	-	86
2	09/22/17	03:12:09	03:13:13	00:01:04	94	91	67	-	87
3	09/22/17	03:34:45	03:35:05	00:00:20	95	92	84	-	89
4	09/22/17	04:21:13	04:21:53	00:00:40	94	90	78	-	85
5	09/22/17	04:47:05	04:47:33	00:00:28	97	91	74	-	79
6	09/22/17	04:48:57	04:49:41	00:00:44	97	93	78	-	89
7	09/22/17	05:01:45	05:04:05	00:02:20	95	92	72	-	89
8	09/22/17	05:12:25	05:12:41	00:00:16	97	93	71	-	79
9	09/22/17	05:41:41	05:42:25	00:00:44	96	93	77	-	87
10	09/22/17	05:46:53	05:47:05	00:00:12	95	92	84	-	91
11	09/22/17	05:52:49	05:53:29	00:00:40	95	92	75	-	89
12	09/22/17	05:58:01	05:59:09	00:01:08	95	91	72	-	82
13	09/22/17	06:07:49	06:08:09	00:00:20	96	93	78	-	91
14	09/22/17	06:08:33	06:09:33	00:01:00	97	94	69	-	86
15	09/22/17	07:08:33	07:09:21	00:00:48	96	93	72	-	78
16	09/22/17	07:29:37	07:29:53	00:00:16	94	91	78	-	86
17	09/22/17	07:30:01	07:30:13	00:00:12	94	91	84	-	89
18	09/22/17	07:30:17	07:30:37	00:00:20	93	90	79	-	88
19	09/22/17	07:31:09	07:31:33	00:00:24	93	90	85	-	92
20	09/22/17	07:31:45	07:32:13	00:00:28	94	90	87	-	102
21	09/22/17	07:43:25	07:44:05	00:00:40	95	92	74	-	82
22	09/22/17	07:46:17	07:46:57	00:00:40	94	91	72	-	80
23	09/22/17	07:50:25	07:51:45	00:01:20	94	91	76	-	83
24	09/22/17	08:20:33	08:21:17	00:00:44	95	91	64	-	81
25	09/22/17	08:27:41	08:27:57	00:00:16	93	90	70	-	76
26	09/22/17	08:59:41	09:00:49	00:01:08	97	92	69	-	84
27	09/22/17	09:04:37	09:05:45	00:01:08	96	93	69	-	81
28	09/22/17	09:07:57	09:08:33	00:00:36	97	93	77	-	88
29	09/22/17	09:10:41	09:11:01	00:00:20	96	93	75	-	81
30	09/22/17	09:25:21	09:25:57	00:00:36	96	93	73	-	82
31	09/22/17	09:38:45	09:40:25	00:01:40	96	93	74	-	91
32	09/22/17	09:46:37	09:47:01	00:00:24	95	92	84	-	89
33	09/22/17	09:55:57	09:57:01	00:01:04	96	93	64	-	90
34	09/22/17	10:05:01	10:05:33	00:00:32	95	91	80	-	82
35	09/22/17	10:05:45	10:06:25	00:00:40	96	92	75	-	84