

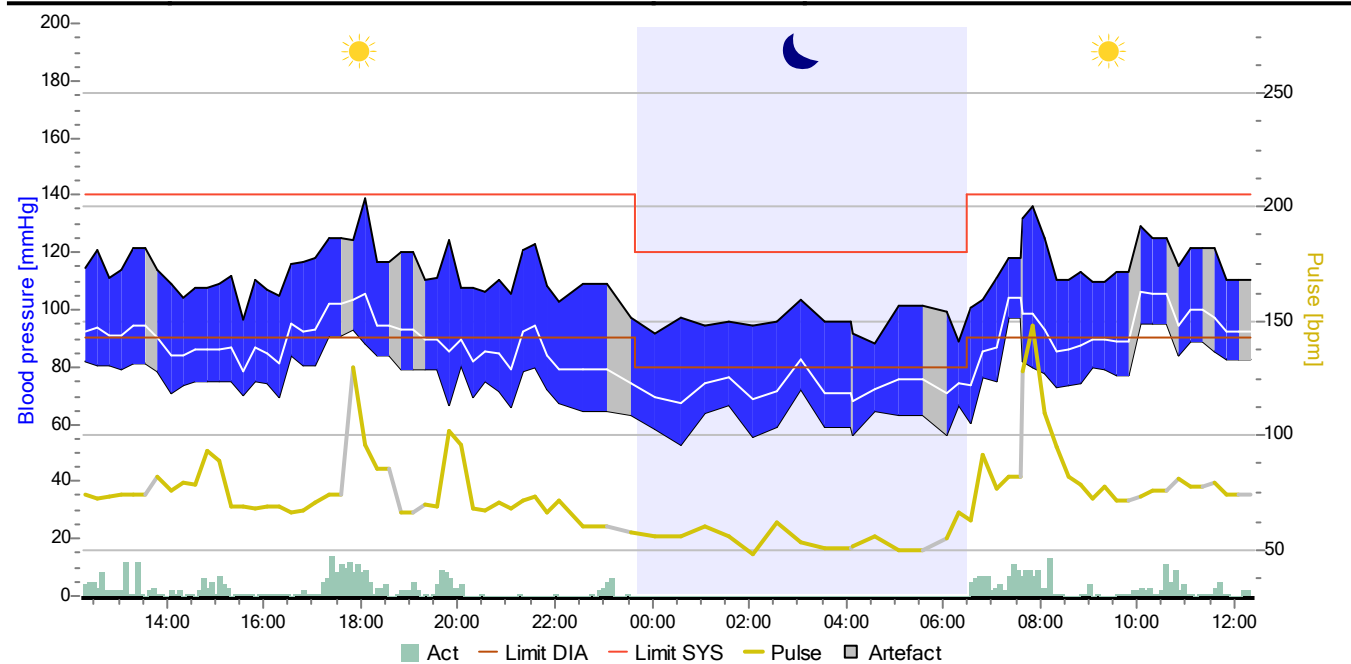
24-H ABPMpro report



ID	EK	Name	Koch Elke	Sex	Female
Date of birth	10.05.1995	Age	26	Pacemaker	No
Height	170 cm	Weight	65 kg	BMI	22,5
Medication					
Indication					

Practice	SOMNOmedics GmbH	Address	Germany 97236 Randersacker
Primary Phys		Tel	
		E-mail	info@somnomedics.de

Begin	28.02.2022 12:19:00 - 01.03.2022 12:19:00	Duration	24:00:00
Night	23:39:27 - 06:30:07	Duration	06:50:39
# osc. values	Total 70 (83%), Day 57 (83%), Night 13 (87%)		
# PTT values	81629 (84%)	ECG	108375 (99%)



	Total					Day					Night				
	Min.	Aver.	Max.	SD	> Limit	Min.	Aver.	Max.	SD	> Limit	Min.	Aver.	Max.	SD	> Limit
SYS	88	108	139	11,3	3%	96	114	139	8,9	0%	88	96	103	4,5	0%
DIA	52	73	96	10,2	25%	60	78	96	7,9	9%	52	61	72	5,6	0%
Pulse	48	72	148	18,2	30%	58	79	148	16,9	27%	48	55	67	5,2	0%
MAP	67	85	106	10,1	12%	73	90	106	7,6	5%	67	73	82	5,2	0%
PP	22	36	58	6,8	4%	22	36	58	6,9	0%	22	34	44	6,6	0%

Limit : SYS=130, DIA=80, Pulse=75, MAP=95, PP=50 Limit : SYS=140, DIA=90, Pulse=80, MAP=105, PP=60 Limit : SYS=120, DIA=80, Pulse=70, MAP=90, PP=50

BP in mmHg, Pulse in bpm

Dipping		Classification of BP Levels	
Values	Status	according to the 2018 ESC-ESH/2020 ISH Guidelines	
SYS -15,8 %	Dipper	● normal	
DIA -21,8 %	Extreme Dipper	○ hypertone	
Pulse -30,4 %			

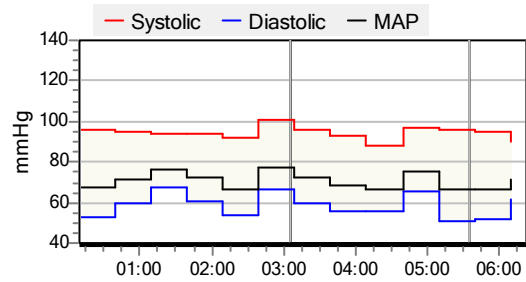
Diagnosis

Comments

Nocturnal Blood Pressure Fluctuations (NBPF)

	Number (Index)	Time
Inc. (Index)	13 (2)	03:05:38
Maximum Increase [mmHg]	24	03:05:38
Average Increase [mmHg]	16	06:20:28
Max. Systolic [mmHg]	110	03:05:48
Min. Systolic [mmHg]	75	06:20:28
Average Systolic [mmHg]	95	03:05:38
Artefact [min]	9,5 (2,4%)	06:20:28

Def. NBPF: Continuous blood pressure increase higher than 12 mmHg within 3 - 30 seconds.



PTT BP Statistic

	Sleep	REM	Non-REM	Wake
Systolic mean [mmHg]	95	0	95	95
Systolic SD [mmHg]	4	0	4	4,2
Systolic 95% Percentile [%]	92,4	-	92,4	95,9
Systolic median [mmHg]	95	0	95	94
Diastolic mean [mmHg]	59	0	59	62
Diastolic SD [mmHg]	6,4	0	6,4	6,5
Diastolic 95% Percentile [%]	96,5	-	96,5	94,3
Diastolic median [mmHg]	59	0	59	61
MAP mean [mmHg]	71	0	71	73
Average HR [bpm]	55	0	55	60

PTT BP Day/Night

Total report

	∅ Min.	Aver.	∅ Max.	SD	> Limit
SYS [mmHg]	77	108	155	11,7	3,3 %
DIA [mmHg]	15	71	120	12,2	24,0 %
HR [bpm]	46	76	181	24,9	33,0 %
MAP [mmHg]	42	83	127	11,5	14,7 %
PP [mmHg]	20	37	105	7,8	6,3 %

∅ Min and ∅ Max computed as mean value from 8 values.

No. BP Values: 81629 (84% TRT)

Day/Night Dipping

SYS [mmHg]	-16,7 %	<input type="radio"/> Reverse Dipper
DIA [mmHg]	-22,4 %	<input type="radio"/> Non-Dipper
HR [bpm]	-34,5 %	<input checked="" type="radio"/> Dipper
MAP [mmHg]	-20,2 %	<input type="radio"/> Extreme Dipper
PP [mmHg]	-2,7 %	

Classification of BP Levels according to the 2018 ESC-ESH/2020 ISH Practice Guidelines

optimal normal high normal Grade 1 HT Grade 2 HT Grade 3 HT

Classification according to the mean 24 h BP

Day report

	∅ Min.	Aver.	∅ Max.	SD	> Limit
SYS [mmHg]	77	114	155	9,2	1,1 %
DIA [mmHg]	15	76	120	10,3	9,4 %
HR [bpm]	55	84	181	23,5	44,9 %
MAP [mmHg]	42	89	127	9,1	5,1 %
PP [mmHg]	20	37	105	8,2	1,4 %

Limit: Syst = 140 mmHg, Diast = 90 mmHg, Puls = 80 bpm, MAP = 105 mmHg, PP = 60 mmHg

Night report

	∅ Min.	Aver.	∅ Max.	SD	> Limit
SYS [mmHg]	78	95	109	4	0,0 %
DIA [mmHg]	30	59	80	6,4	0,0 %
HR [bpm]	46	55	101	6,8	3,3 %
MAP [mmHg]	49	71	87	5	0,0 %
PP [mmHg]	20	36	68	6,2	0,7 %

Limit: Syst = 120 mmHg, Diast = 80 mmHg, Puls = 70 bpm, MAP = 90 mmHg, PP = 50 mmHg

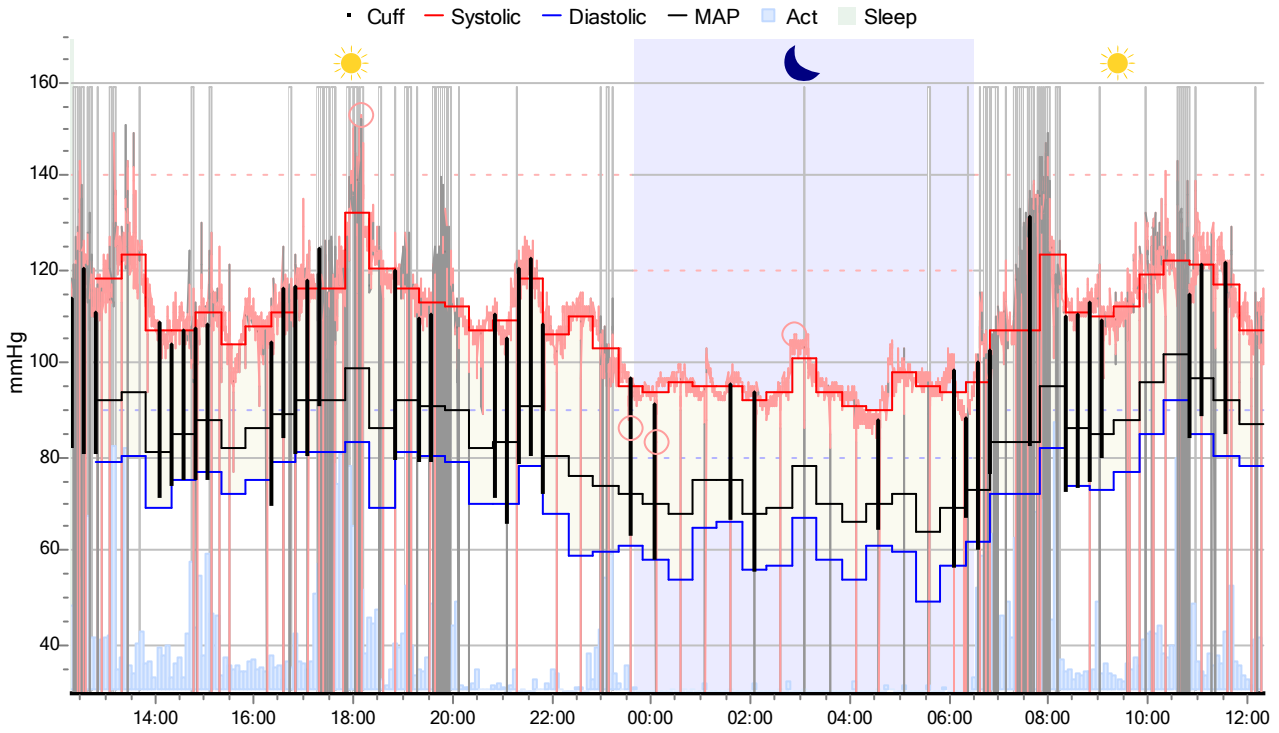
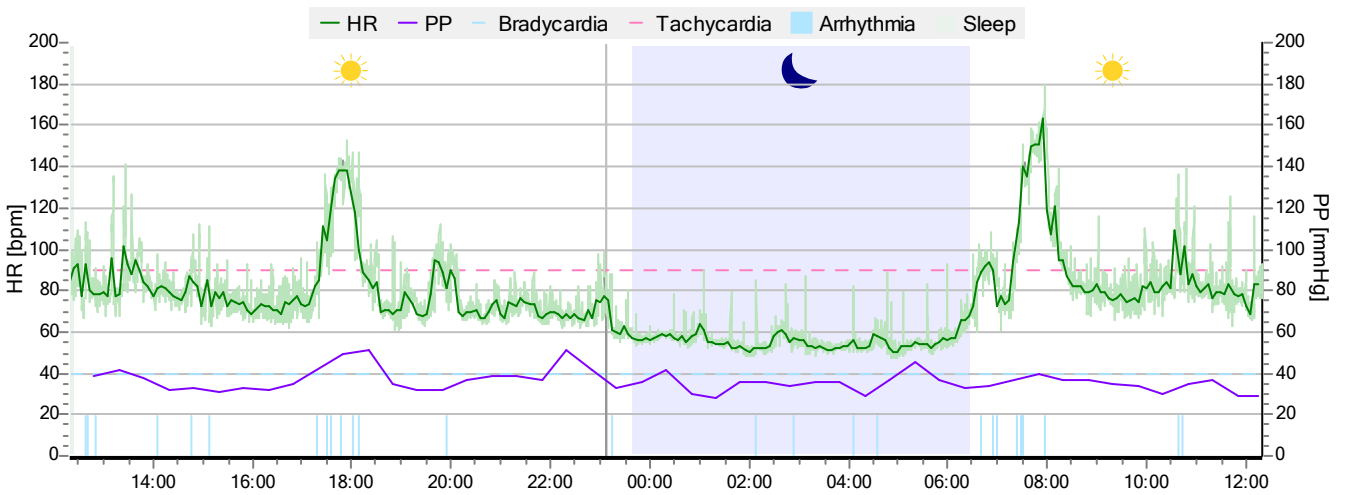


Image generated from means of 30 minutes intervals



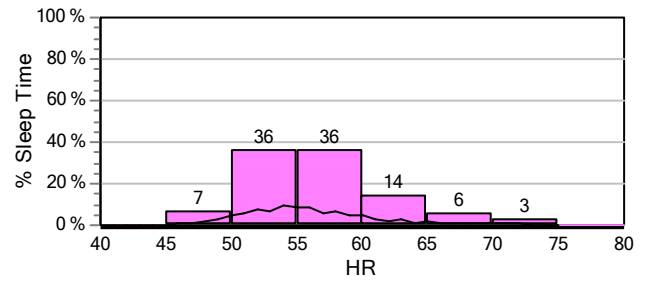
Blood Pressure Central Night

	∅ Central	∅ Brachial	Delta	Alx
Systolic [mmHg]	95	95	0	0 %
Diastolic [mmHg]	56	59	3	

Position	Supine	not Supine	Left	Right	Prone	Upright
Systolic [mmHg]	95	95	102	93	95	104
Diastolic [mmHg]	58	61	72	57	68	69
MAP [mmHg]	70	72	82	69	77	81

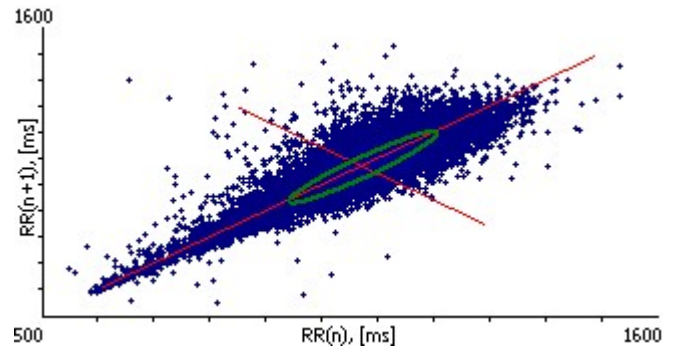
Heart Rate

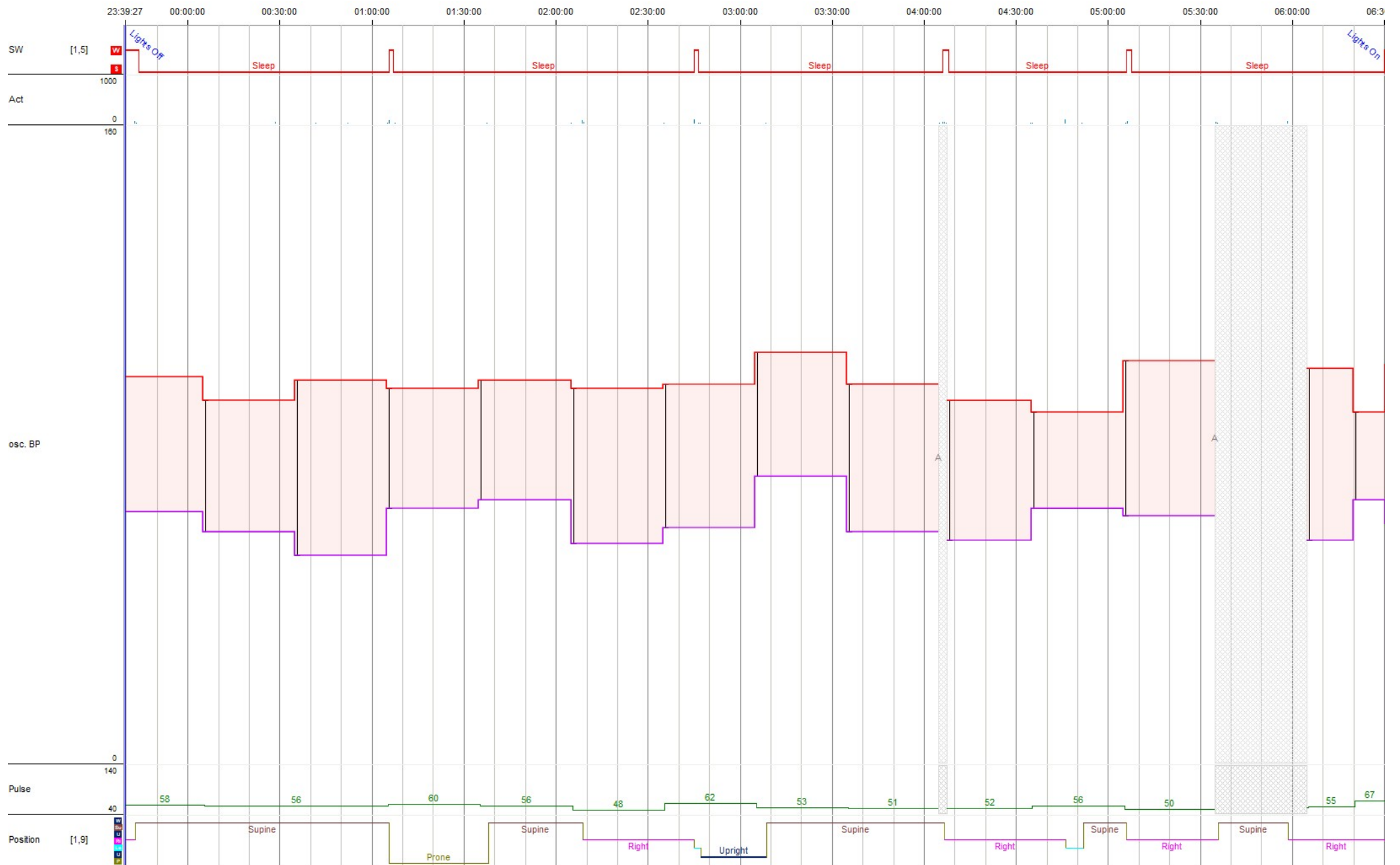
	Number (Index)	Time
Acc. (Index)	57 (8,6)	
Dec. (Index)	40 (6)	
Arrhythmia (Index)	3 (0,5)	
Maximum HR [bpm]	101	05:58:48
Minimum HR [bpm]	46	04:57:27
Average HR [bpm]	55	
Std. deviation [bpm]	6,4	
Artefact [min]	0,4 (0,1%)	



RR-Interval

Average [ms]	1071,6
RR SD (ms)	110,37
Max. RR (ms)	1531
Min. RR (ms)	550
SD1 (ms)	42,41
SD2 (ms)	149,78
SD1 / SD2	0,28





Blood pressure table

Time	Sys [mmHg]	MAP [mmHg]	Dia [mmHg]	PP [mmHg]	Pulse [bpm]	Act [mg]
12:19:47	114	95	82	33	74	130
12:34:47	121	97	81	40	73	97
12:49:47	111	91	81	31	73	81
13:04:47	114	97	79	35	74	86
13:19:47	122	93	81	41	74	51
13:34:47	-	-	-	-	-	27
13:49:47	114	98	78	36	82	42
14:04:47	109	83	71	38	76	68
14:19:47	104	93	74	30	79	20
14:34:47	107	101	75	32	78	20
14:49:47	108	98	75	33	93	97
15:04:47	109	95	75	34	89	211
15:19:47	112	92	75	37	69	23
15:34:47	97	90	70	27	69	32
15:49:47	110	84	75	35	68	29
16:04:47	107	87	74	33	69	32
16:19:47	105	87	70	35	69	54
16:34:47	116	96	84	32	67	19
16:49:47	117	96	81	36	67	87
17:04:47	118	88	80	38	70	34
17:19:47	125	103	91	34	75	195
17:34:47	-	-	-	-	-	345
17:37:13	-	-	-	-	-	345
17:49:47	124	115	93	31	130	245
18:04:47	139	114	88	51	96	283
18:19:47	117	105	84	33	85	111
18:34:47	-	-	-	-	-	17
18:49:47	120	95	79	41	66	74
19:04:47	-	-	-	-	-	162
19:19:47	110	86	79	31	70	33
19:34:47	111	97	79	32	69	135
19:49:47	124	97	66	58	102	185
20:04:47	108	97	81	27	96	136
20:19:47	108	86	70	38	68	7
20:34:47	106	94	75	32	67	2
20:49:47	111	85	71	39	70	9
21:04:47	106	87	66	40	68	1
21:19:47	121	97	78	42	72	1
21:34:47	123	96	80	42	73	0
21:49:47	109	90	72	37	66	4
22:04:47	103	78	67	35	72	27
22:34:47	109	80	64	45	60	6
23:04:47	-	-	-	-	-	174
23:34:47	97	82	63	34	58	1
00:04:47	92	77	58	34	56	0
00:34:47	97	71	53	44	56	0
01:04:47	95	82	64	31	60	12

Time	Sys [mmHg]	MAP [mmHg]	Dia [mmHg]	PP [mmHg]	Pulse [bpm]	Act [mg]
01:34:47	96	80	67	29	56	3
02:04:47	94	80	56	39	48	13
02:34:47	96	73	59	37	62	2
03:04:47	104	85	73	31	53	2
03:34:47	96	71	59	37	51	0
04:04:47	-	-	-	-	-	16
04:07:19	91	77	56	35	52	16
04:34:47	-	-	-	-	-	3
05:04:47	101	77	63	38	50	9
05:34:47	-	-	-	-	-	9
06:04:47	99	85	56	43	55	1
06:19:47	-	-	-	-	-	0
06:34:47	101	83	60	41	63	158
06:49:47	103	97	76	27	91	222
07:04:47	111	99	75	36	77	116
07:19:47	138	99	82	56	84	233
07:34:47	-	-	-	-	-	221
07:37:31	132	102	82	50	128	221
07:49:47	136	109	80	56	148	223
08:04:47	125	97	78	47	110	108
08:19:47	110	93	73	38	95	30
08:34:47	111	91	73	37	82	26
08:49:47	113	91	75	39	79	31
09:04:47	110	96	80	30	72	27
09:19:47	110	92	79	30	78	23
09:34:47	113	90	77	36	72	44
09:49:47	-	-	-	-	-	39
10:04:47	129	105	95	34	73	90
10:19:47	125	111	95	30	76	58
10:34:47	-	-	-	-	-	355
10:37:21	-	-	-	-	-	355
10:49:47	115	93	84	31	81	66
11:04:47	121	110	89	32	78	31
11:19:47	-	-	-	-	-	40
11:34:47	122	108	85	37	79	91
11:49:47	111	108	83	28	74	40
12:04:47	-	-	-	-	-	9

Markers

Time	Description:
02.28.2022 17:26:10	Fahrrad Start
02.28.2022 18:08:55	Fahrrad Ende
03.01.2022 07:27:40	Fahrrad Start
03.01.2022 08:00:55	Fahrrad Ende