Feature [unit]	Description	Connotation
ВрЕ	Beats per Epoch	ECG R-R intervals detection due to noise is
		reflected. If ECG is noise distorted, BpE decrease .
		This moslty appears during AS and wake. Longer
		heart rate is reflected when long term windowed.
TotPow [ms ²]	Total power or variance of NN	Reflects overal heart rate variability [30,49]
	intervals of a defined window size.	
VLF [ms ²]	The power of the very low	Oscillations in VLF are attributed to peripheral
	frequency band between 0.003-	resistance fluctuations caused by thermoregulation
	0.04 Hz of a defined window size.	[44].
LF [ms ²]	The power of the low frequency	LF fluctuations are assumed to be related to
	band between 0.04-0.15 Hz of a	baroreflex activity and under parasympathetic and
	defined window size.	sympathetic influence [40,44]. Fluctuations in the
		neonatal baroreceptor loop are at approximately
		0.07 Hz [40,45,46].
LFnorm [%]	LF power in normalized units	Normalization, to correct for total power
	LF/(Total Power-VLF) x 100	variability.
HF [ms ²]	The power of the high frequency	HF fluctuations are associated with activities of the
	band between 0.15-0.4 Hz of a	parasympathetic system and respiratory activity
	defined window size.	[42,44,45]. Respiratory activity is closely linked to
		preterm sleep states [7,12] and seems more
		prominent during quiet sleep [42].

HFnorm [%]	HF power in normalized units HF/(Total Power-VLF) x 100	Normalization, to correct for total power variability.
pHF1 [ms²]	The power of the high frequency band between 0.4-0.7 Hz	pHF1 fluctuations are associated with activities of the parasympathetic system and respiratory activity especially in reterm infants [31].
pHF2 [ms ²]	The power of the high frequency band between 0.7-1.5 Hz	pHF2 fluctuations are associated with activities of the parasympathetic system and respiratory activity especially in reterm infants [31].
LF/HF [n.u.]	Ratio LF/HF	This estimate claims to reflect the sympathovagal balance in adults, although the value has to be established in newborns [45]. Increased values may indicate greater sympathetic and/or lesser vagal modulation [40].
SDNN [ms]	The standard deviation of normal to normal R-R intervals of a defined window length.	Reflects the overal heart rate variability influenced by both the para- and sympathectiv nervous system [30,49].
RMSSD [ms]	Root mean square of successive differences between adjacent R-R intervals of a defined window length.	Influenced mainly by parasympathetic activity and respiratory activity.
NNx [count]	The number of pairs of successive R-R intervals that differ by more than 10, 20, 30 or 50 ms of a defined window length.	NNx reflects parasympathetic activity. While NN10 covers more overall changes, NN50 represents high frequency variations with influence from respiratiory activity [54].

pNNx [%]	The proportion of NNx divided by	pNNx are directly linked to the NNx features. pNNx
	total number of R-R intervals of a	for values of x<50 ms may provide more robust
	defined window length.	estimates of cardiac vagal tone modulation even in
		the presence of outliers [54,67].