성박 간지번이도 (RRV) : 연속된 심박동 간 시간간지의 권동 성박 번이도(HRV) : 성박간격을 불당 성박동수군 단위번화하여 환화한것

→ 단원만 다킨 별 같은 개명임 당원부약에서는 RRV 등이 영호/ 일반.양상분야에서는 HRV 성호

* 심박간 되변이도에서 추출 가능한 분석 때에서

5-min total power	msec ²		The variance of NN intervals over the temporal segment	$\approx \leq 0.4 \text{Hz}$	
VLF	ms	sec ²	Power in VLF range	≤ 0.04 Hz	
1.F	msec ²		Power in LF range	0.04-0.15 Hz	
LF norm	nu	1	LF power in normalized units		
			LF/(total power-VLF)×100		
HF	msec ²		Power in HF range	0.15-0.4 Hz	
HF norm	nu		HF power in nonnalized units		
			HF/(total power VLF)×100		
LF/HF			Ratio LF [ms ²]/HF[ms ²]		
Statistical measures					
SDNN	msec	Standar	rd deviation of all NN intervals		
SDANN	msec	Standard deviation of the averages of NN intervals in all 5-minute segments of			
	the entire recording				
RMSSD	msec	The square root of the mean of the sum of the squares of differences between adjacent NN intervals			
SDNN index	msec	Mean of the standard deviations of all NN intervals for all 5-minute segments of the entire recording			
SDSD	msec	Standard deviation of differences between adjacent NN intervals			
NN50 count		Number of pairs of adjacent NN intervals differing by more than 50 ms in the entire recording; three variants are possible counting all such NN intervals pair or only pairs in which the first or the second interval is longer			
pNN50	%	NN50 count divided by the total number of all NN intervals			
Geometric measures					
HRV triangular index			aber of all NN intervals divided by the height of the histogram of all rvals measured on a discrete scale with bins of 7.8125 ms (1/128 seconds)		
ΓINN	msec		Baseline width of the minimum square difference triangular interpolation of the highest peak of the histogram of all NN intervals		
Differential index	msec	Difference between the widths of the histogram of differences between adjacent NN intervals measured at selected heights			
			at the levels of 1,000 and 10,000 samples)		
арр		appro	cient ϕ of the negative exponential curve $k \cdot e^{-i k}$, which is the best roximation of the histogram of absolute differences between adjacent NN rvals		

스트레스에 인감하게 반응하는
가울건경계(교감과 부2감 성경계)의
확동양성에 많이 의혼했다.

$$\begin{split} \textit{MeanRRI} &= \overline{\textit{RR}} = \sqrt{\frac{1}{N} \sum_{j=1}^{N} (\textit{RR}_{j})} \\ \textit{SDNN} &= \sqrt{\frac{1}{N} \sum_{j=1}^{N} (\textit{RR}_{j} - \overline{\textit{RR}})^{2}} \\ \textit{rMSSD} &= \sqrt{\frac{1}{N} \sum_{j=1}^{N} (\textit{RR}_{j} - \textit{RR}_{j-1})^{2}} \\ \textit{NN50} &= \textit{sample COUNT}(\textit{duration}(\textit{RR}) > 50 \textit{msec}) \\ \textit{pNN50} &= \frac{\textit{NN50}}{\textit{N}} \textit{X}100\% \end{split}$$

* भेमिन जिज्ञाल HRV हे ध्वांधाख?

→ HRV यमा १ ला ला है ने पन १ प्रव १ मध्

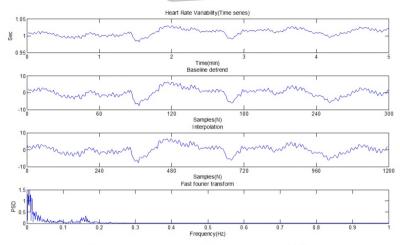


Fig. 5. Power spectrum analysis of heart rate variability.

- O R-R간지수역 데이러의 DC 생분 제거하기 위한 기계선 보쟁 (Detrend)
- 의 구막수 불해당 월이기 (수억데이터 4the 보간: Interpolation)
- ③ 구대수 누文 원과 ofer (50% overlapped Hamming 원红 자동)
- 9 24 7491 424 (Fost Fourier Transform: FFT)

→ २६५५ ७९९ ६४३६

