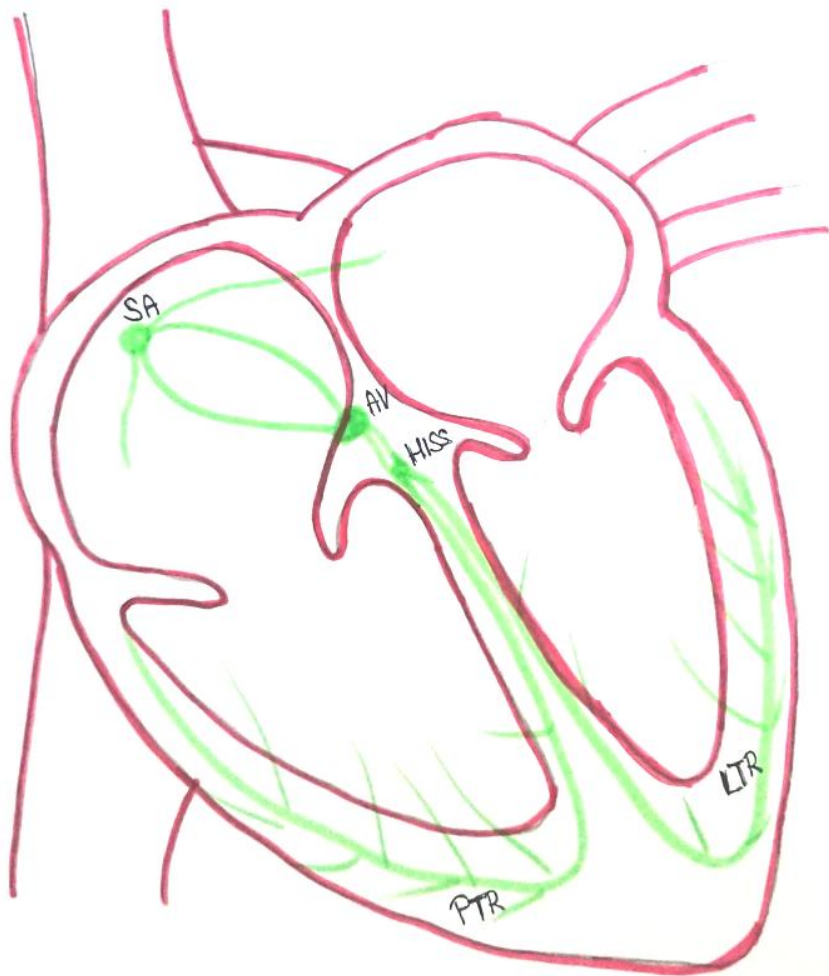


POROVNÁNÍ PARAMETRŮ ELEKTRICKÉ DYSSYNCHRONIE PACIENTŮ S HISÁLNÍ, PARAHISÁLNÍ A UNIFOKÁLNÍ PRAVOKOMOROVOU STIMULACÍ

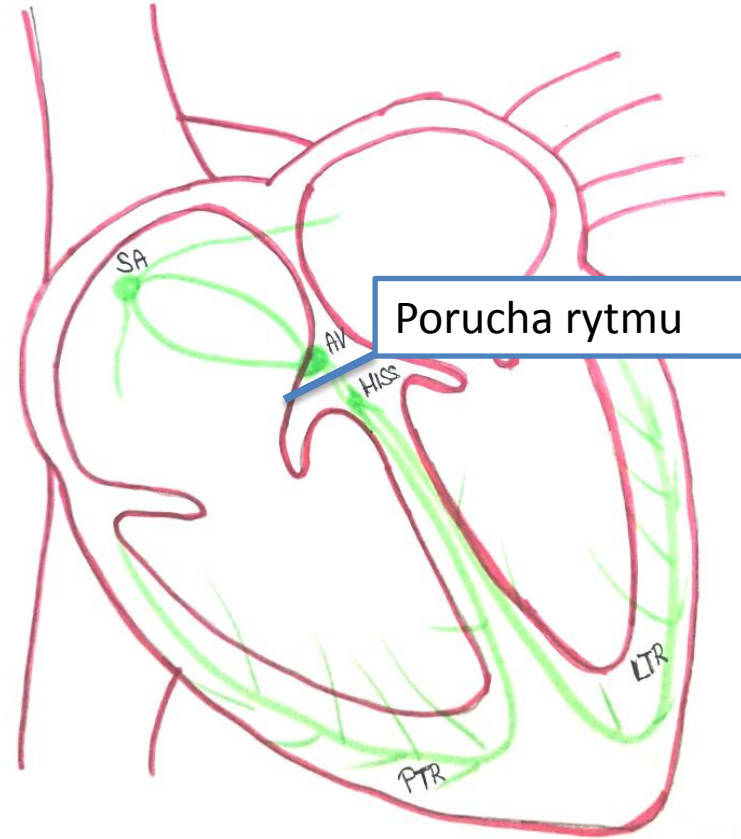
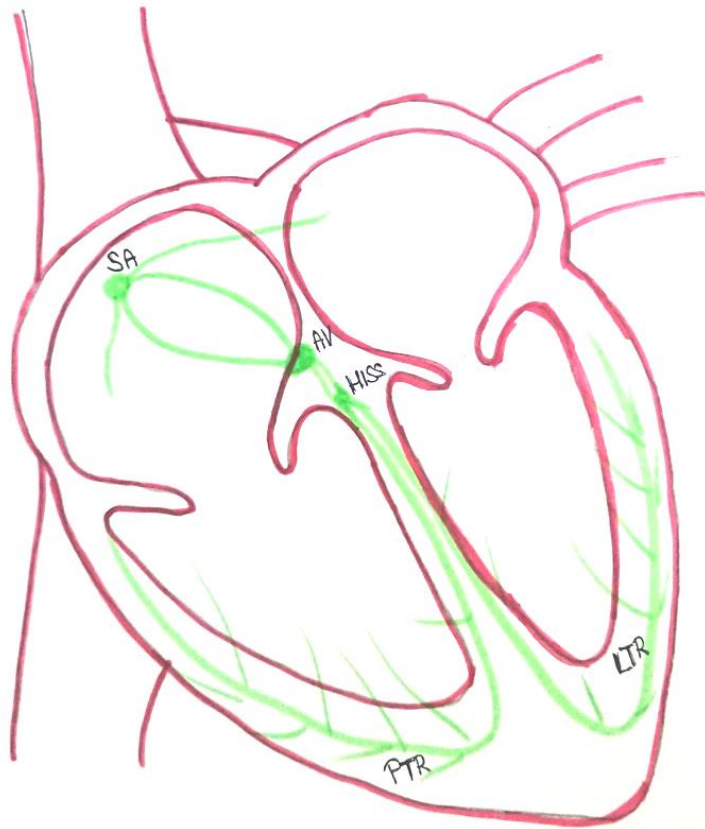
Procházková R.¹, Čurila K.¹, Veselá J.¹, Štros P.¹, Leinveber P.², Halamek J.²,
Jurak P.²

¹ III. interní kardiologické oddělení, FNKV, Praha, ² Nemocnice u sv. Anny, ICRC, I.
Interní kardo-angiologická klinika, Brno

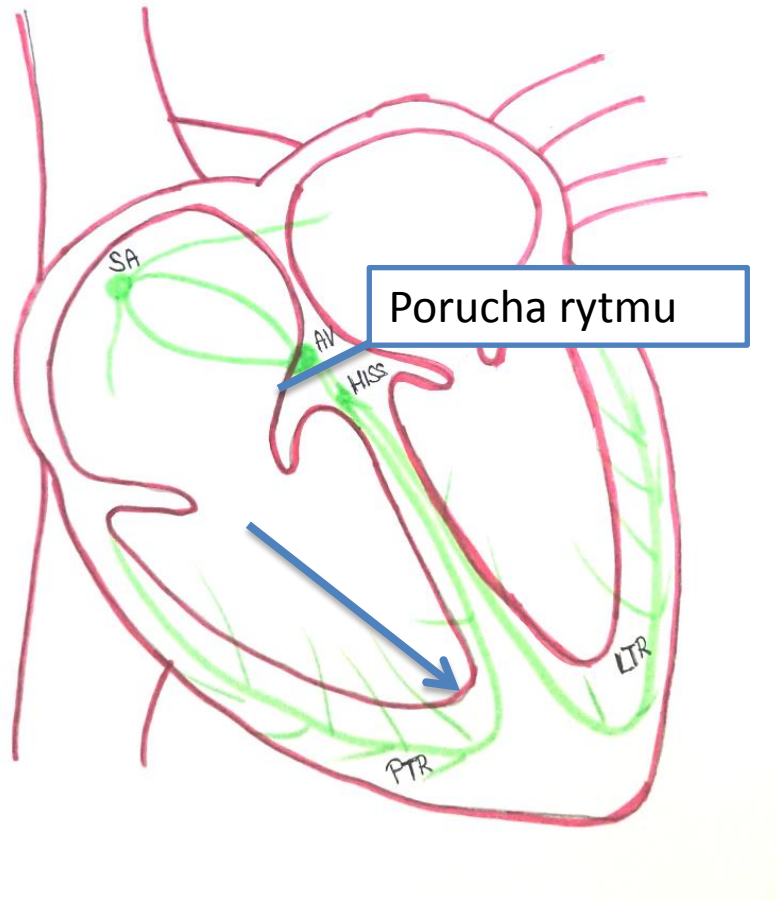
Šíření vzruchu



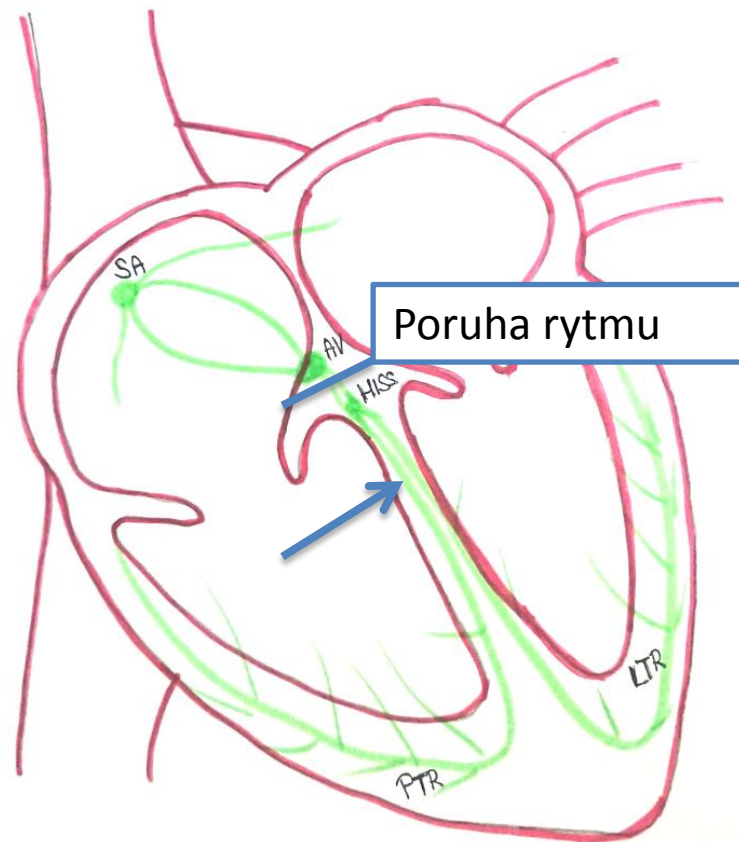
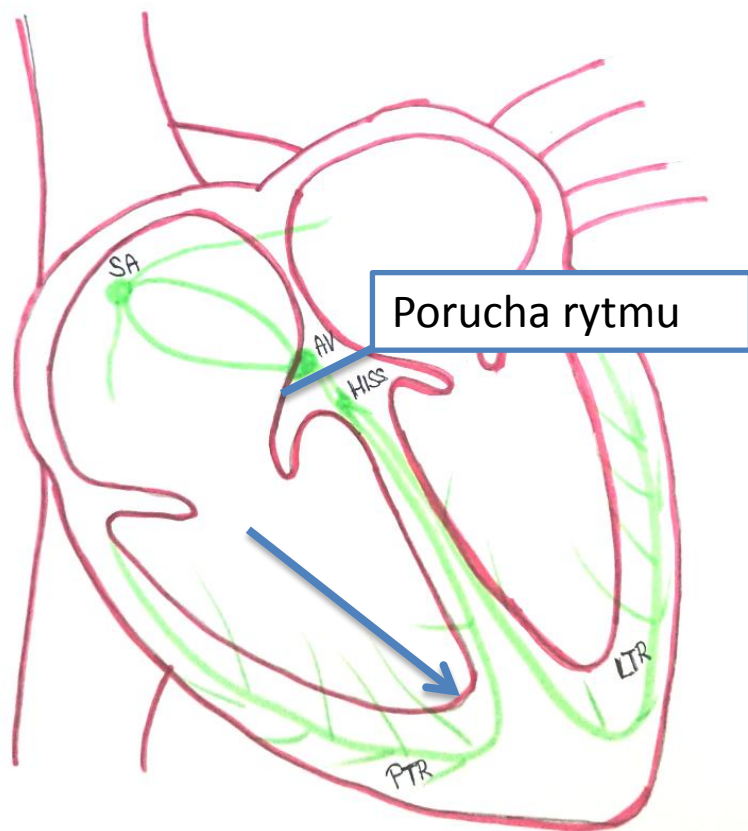
Porucha rytmu



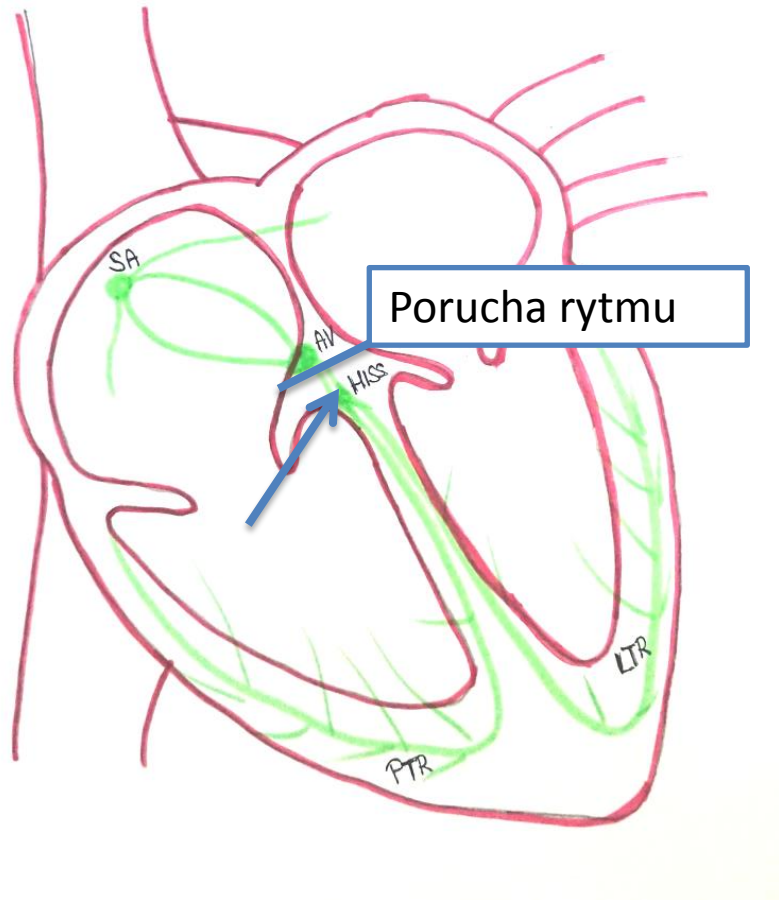
Implantace elektrody



Implantace elektrody



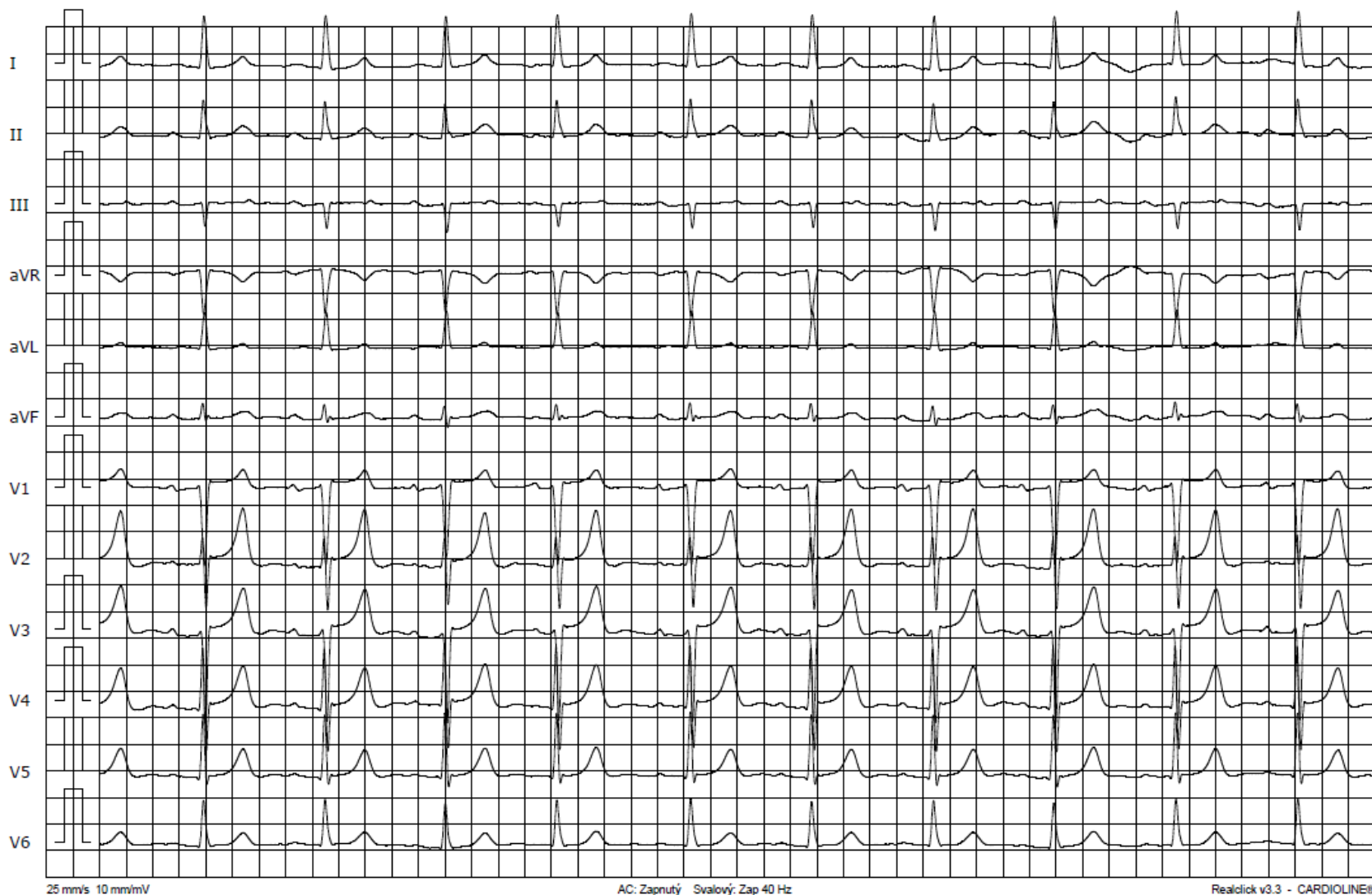
Implantace elektrody



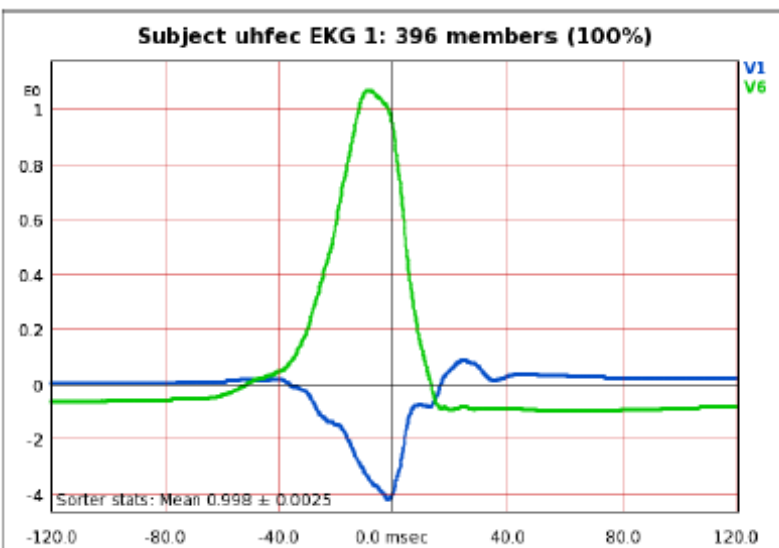
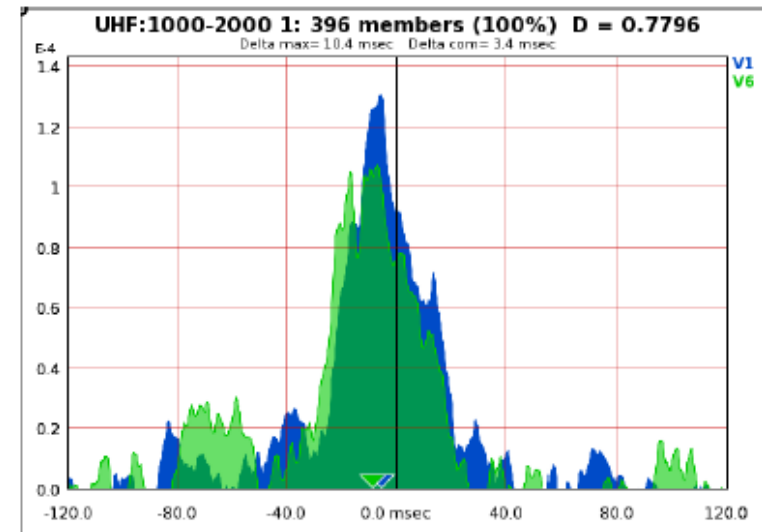
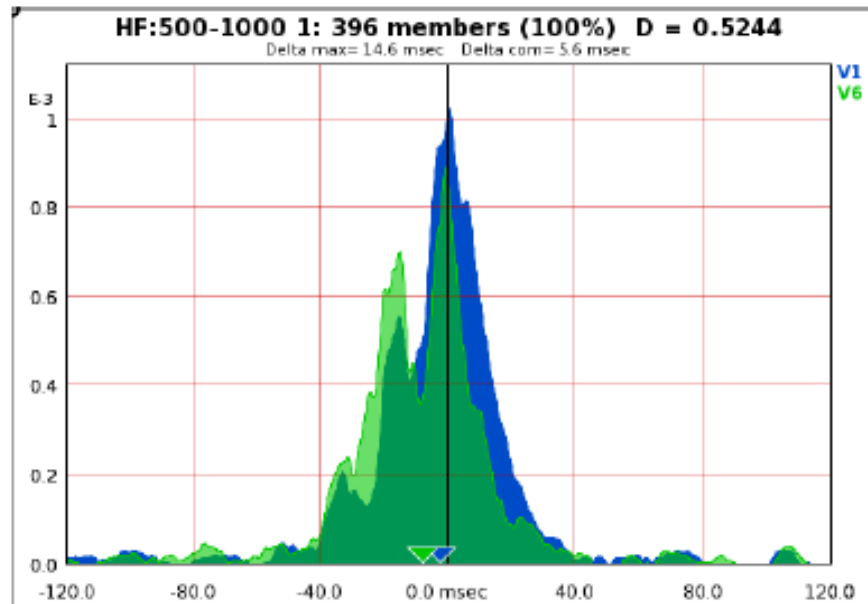
Cílem práce

- Zjistit velikost dyssynchronii komor
- UHF EKG
 - 5 min nahrávání
 - Různé nastavení stimulace

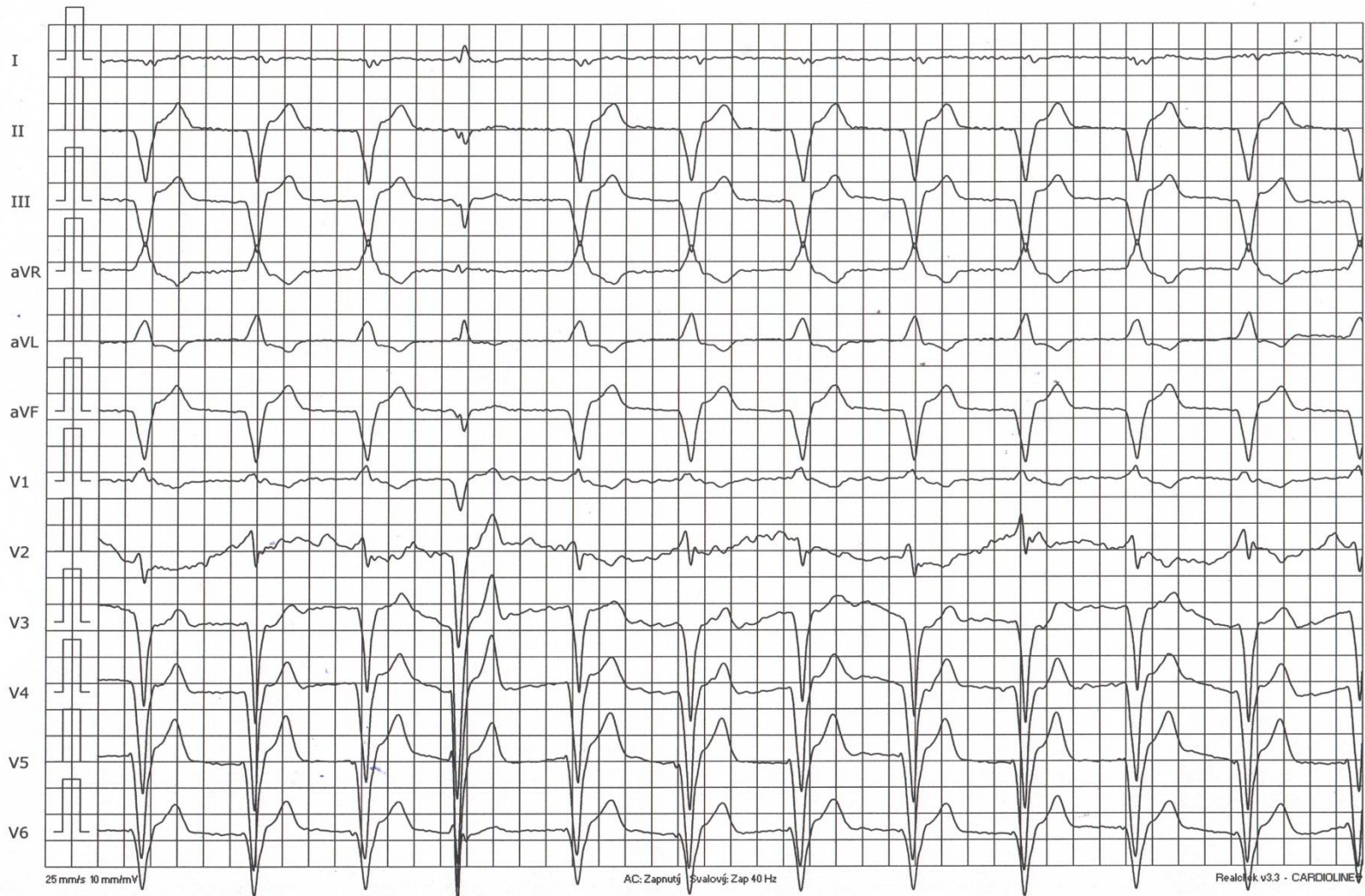
Sinusový rytmus



Velikost dyssynchronie

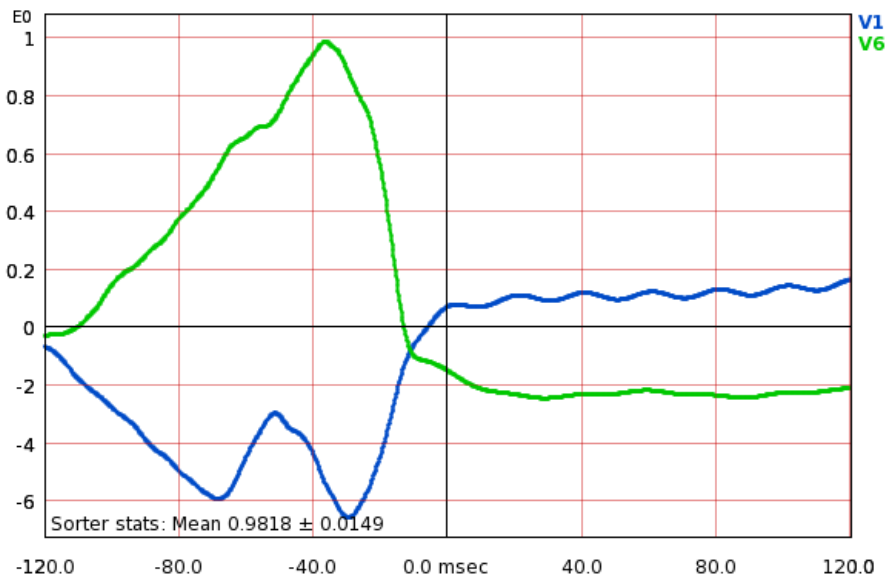


Unifokální pravokomorová stimulace



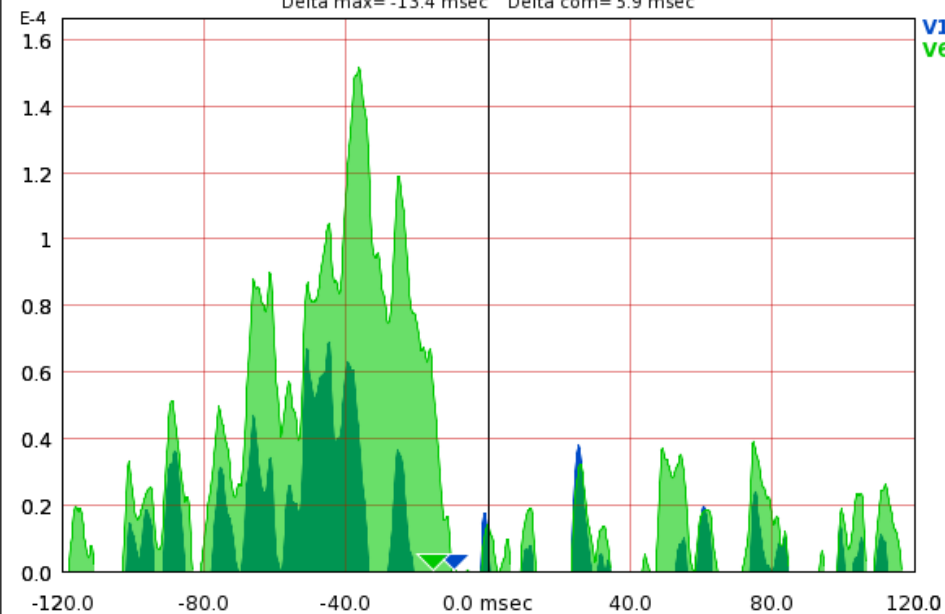
Stimulace RV

Subject uhfec EKG 1: 374 members (96.1%) - 375 ext.peaks.



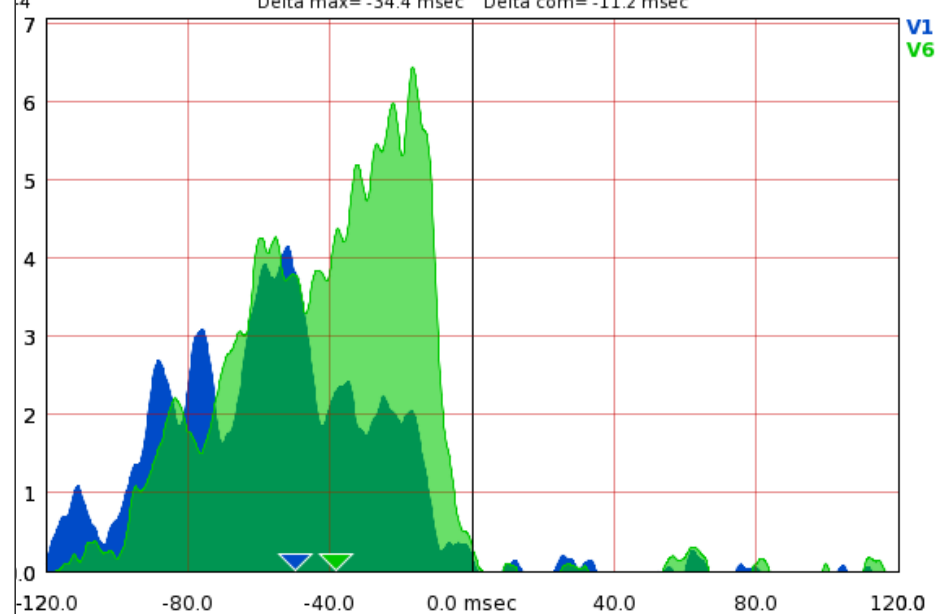
F:1000-2000 1: 374 members (96.1%) - 375 ext.peaks. D = 0.49

Delta max = -13.4 msec Delta com = 5.9 msec

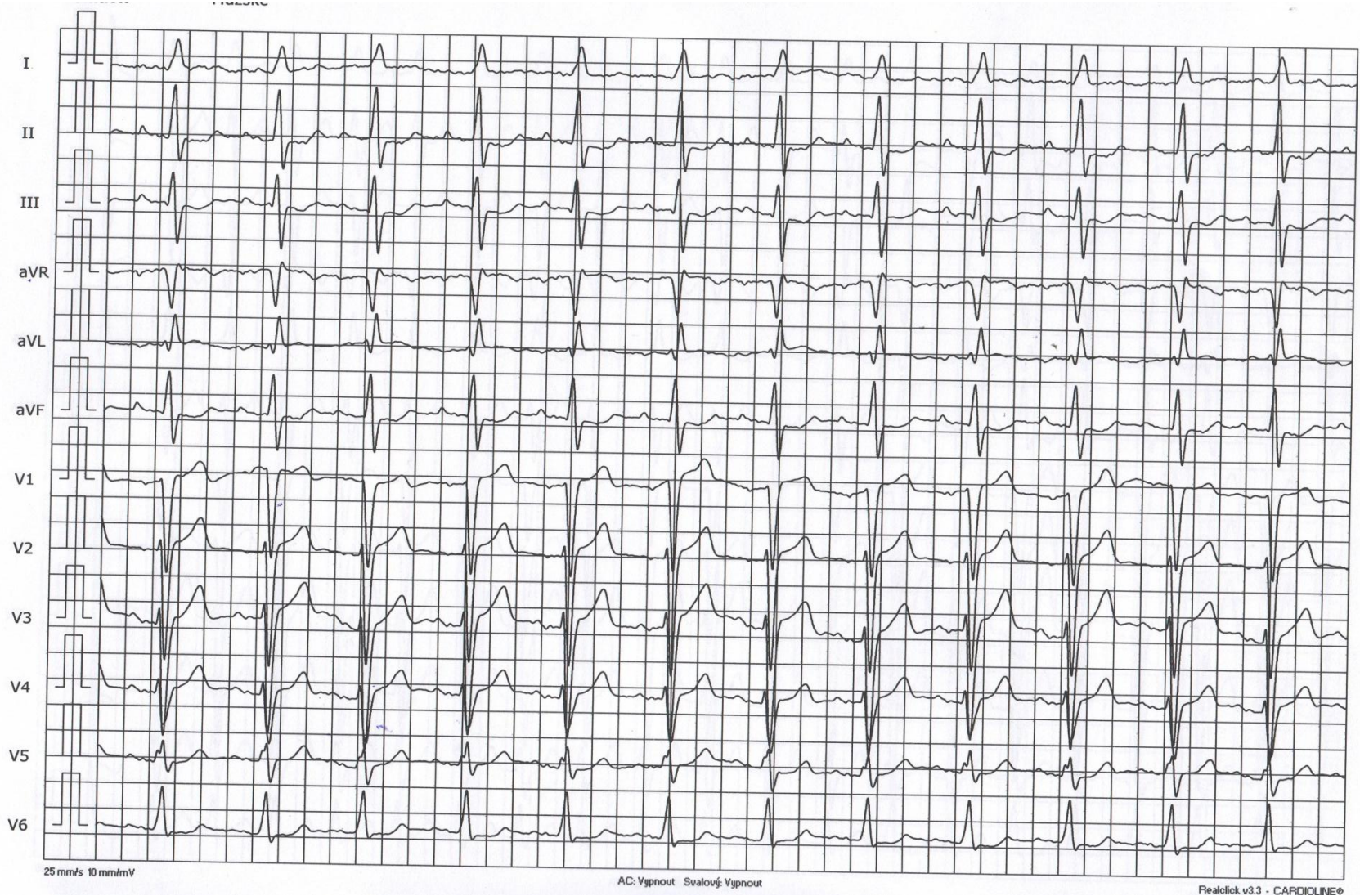


500-1000 1: 374 members (96.1%) - 375 ext.peaks. D = 0.634

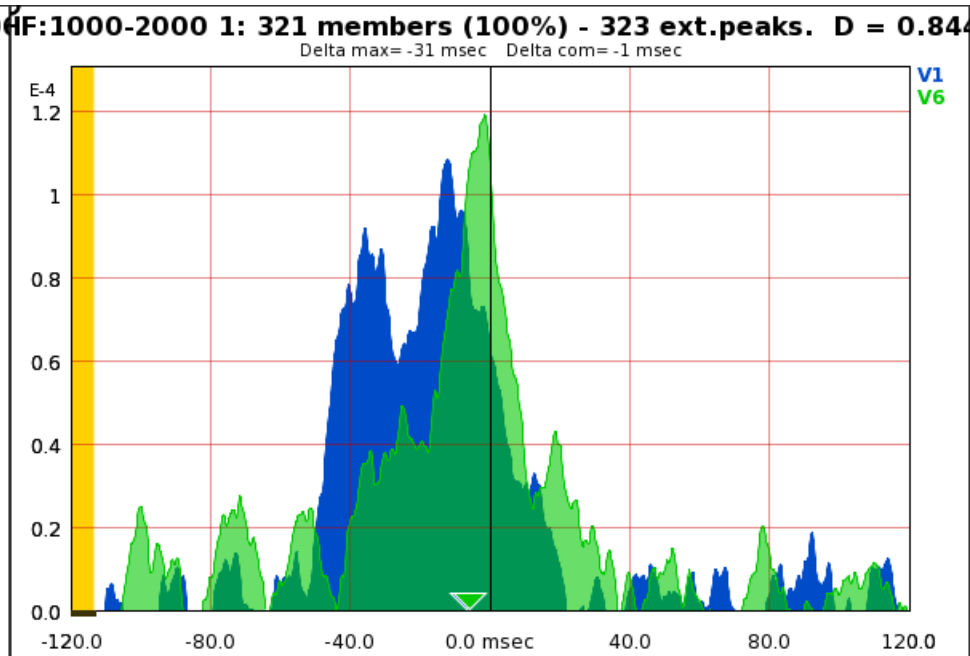
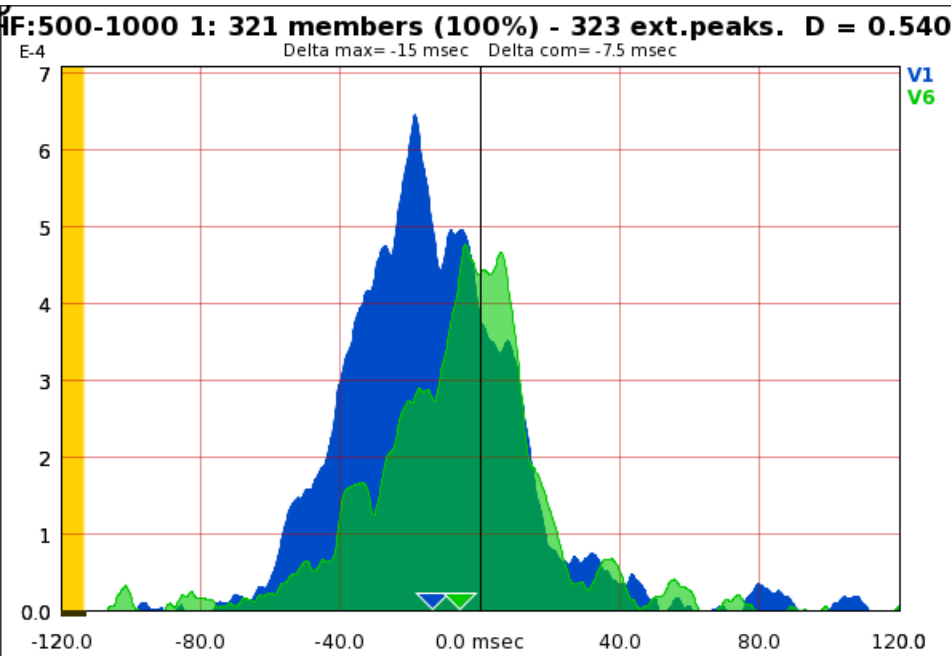
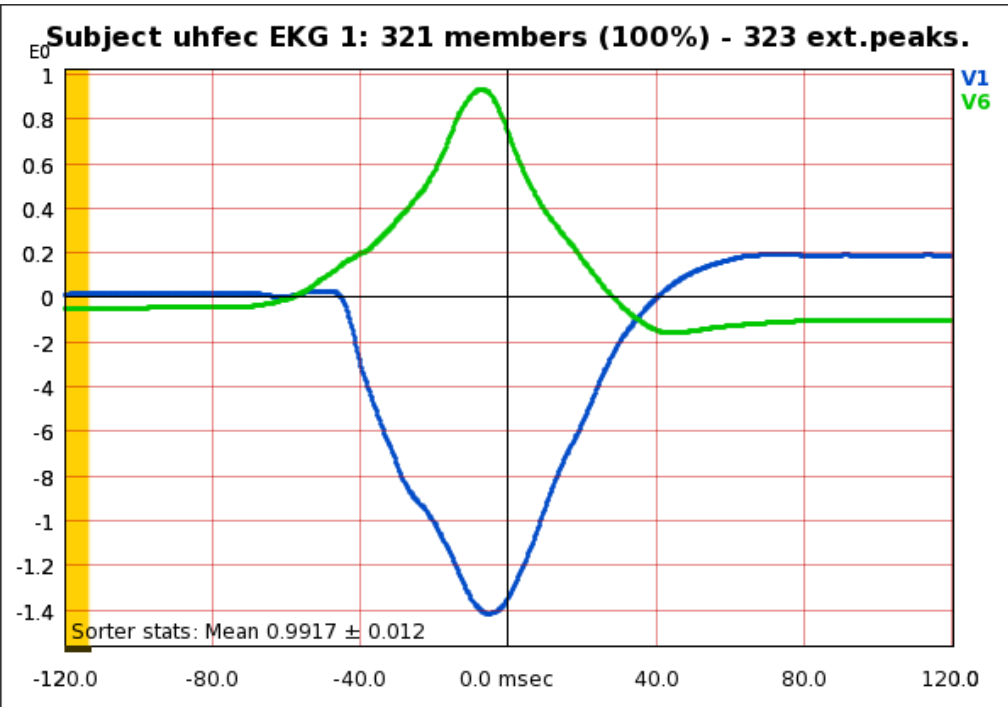
Delta max = -34.4 msec Delta com = -11.2 msec



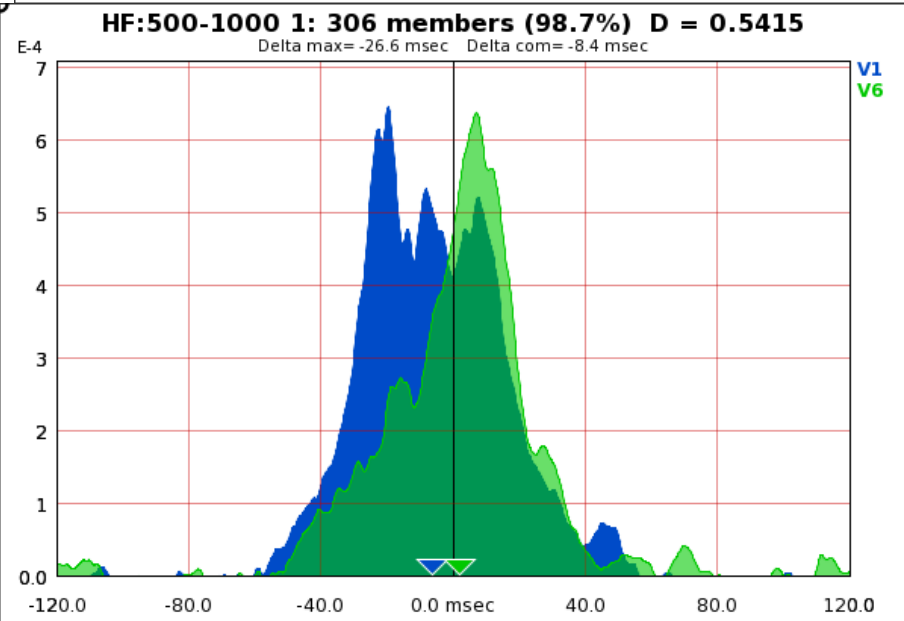
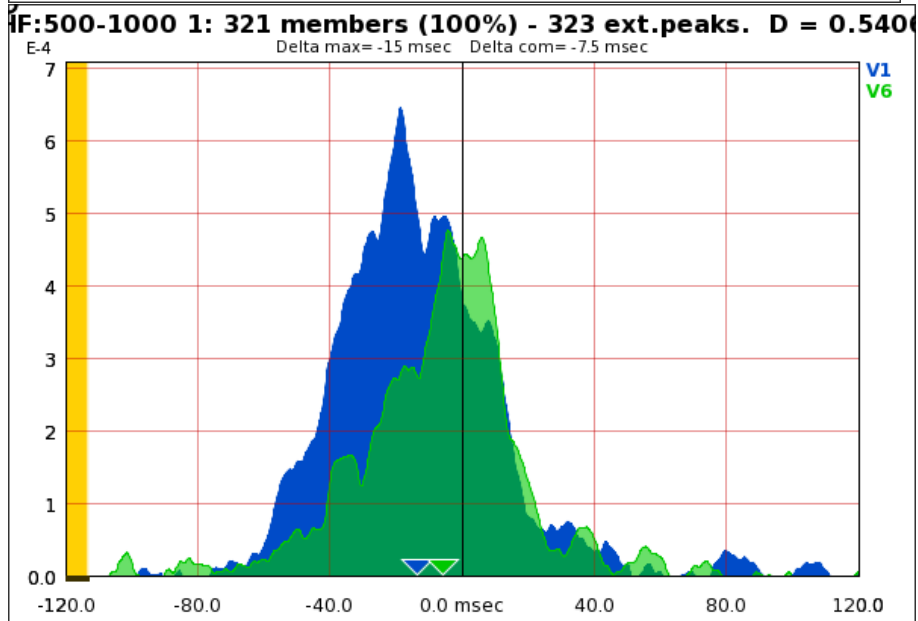
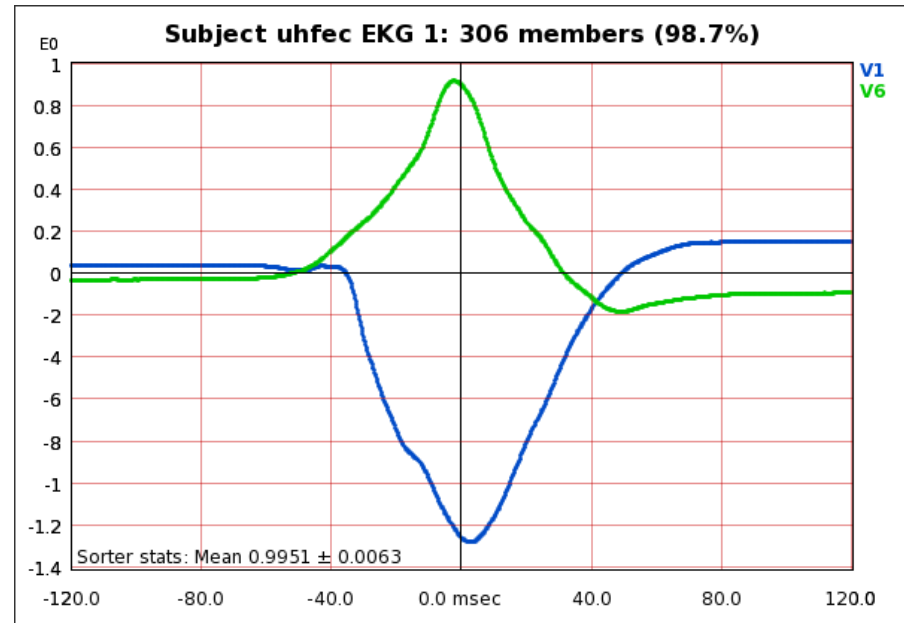
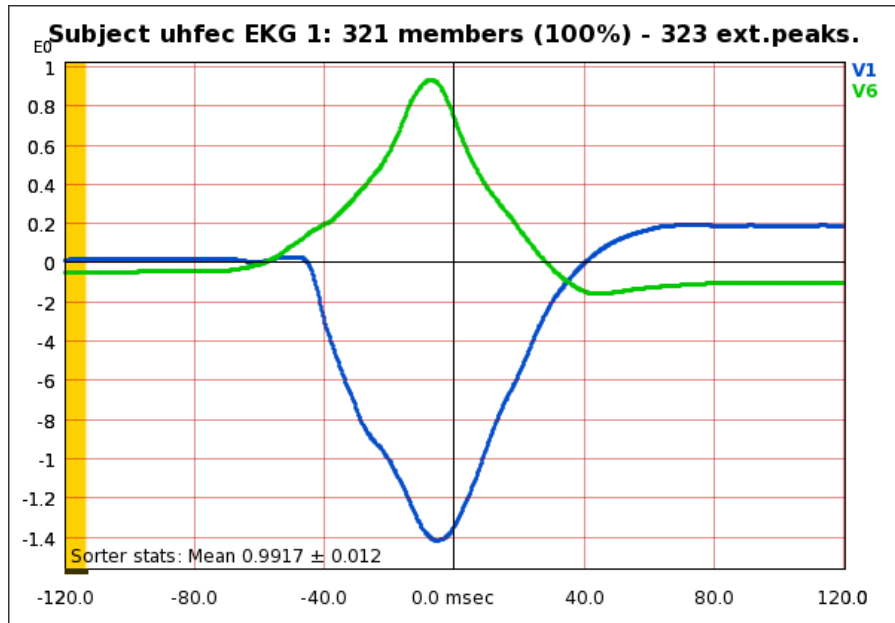
His stimulace



His stimulace



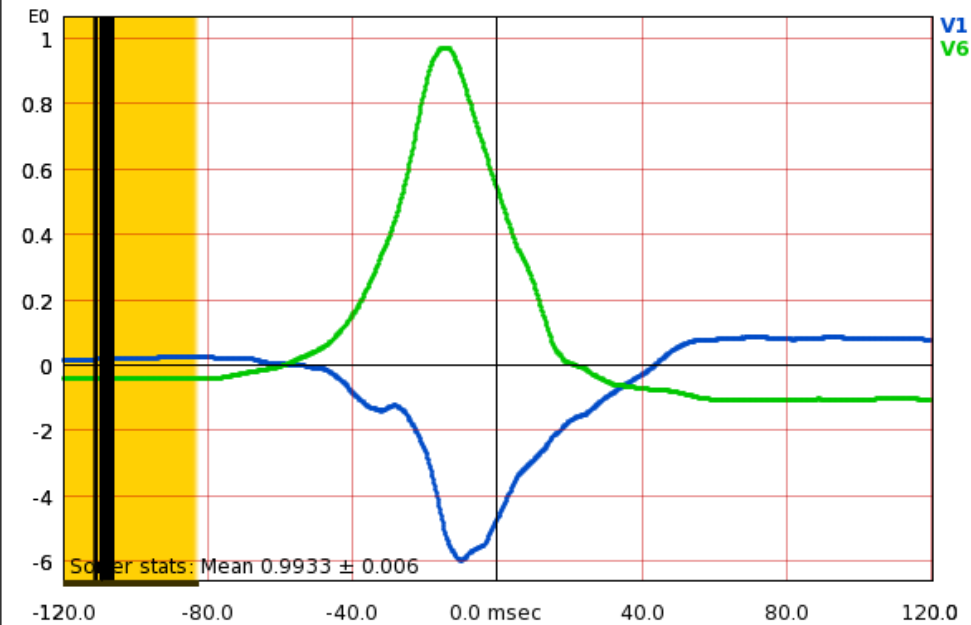
Srovnání his a spontánní



Parahis stimulace

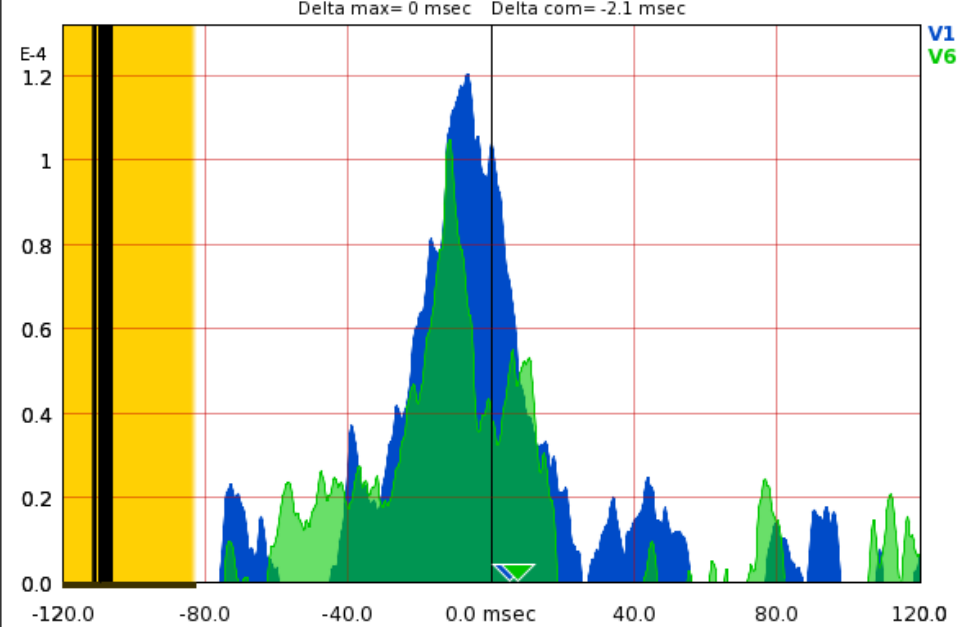


Subject uhfec EKG 1: 205 members (64.3%) - 206 ext.peaks.

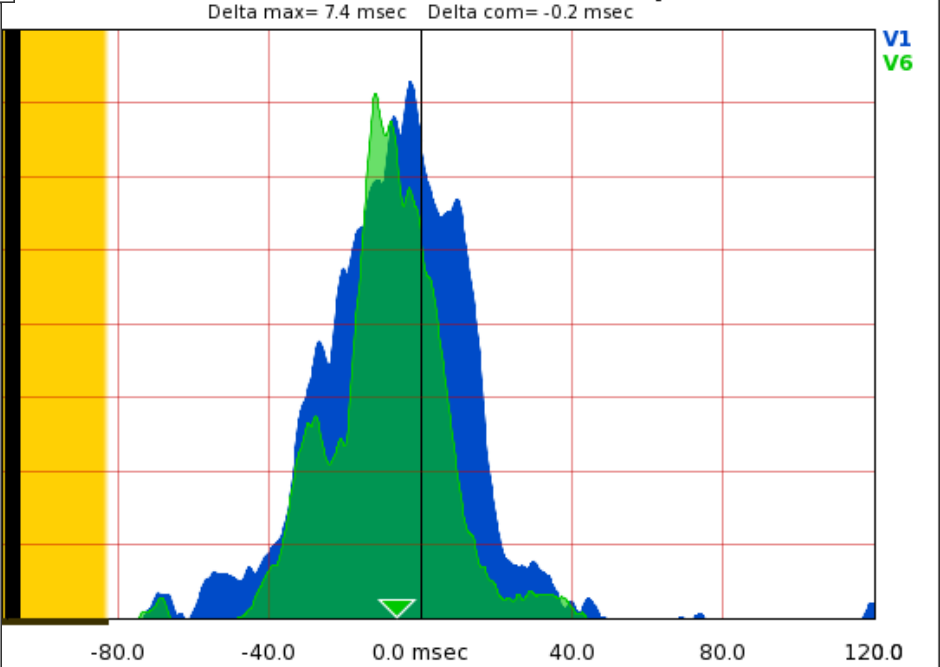


Parahisální stimulace

F:1000-2000 1: 205 members (64.3%) - 206 ext.peaks. D = 0.78



1000 1: 205 members (64.3%) - 206 ext.peaks. D = 0.454



Analýza

- 16 pacientů
 - 13 EKG spontánní rytmus
 - 8 EKG hisální stimulace
 - 13 EKG parahisální stimulace
 - 7 EKG unifokální pravokomorové stimulace

Výsledky

- Průměrná hodnota DYS pro:
 - Spontánní rytmus 9,3 ms
 - Stimulaci hisální 5,3 ms
 - Stimulace parahisální 9 ms
 - Stimulace unifokální pravokomorovou 43,1ms
- Statisticky významný rozdíl
 - Unifokální pravokomorové stimulace

Závěr

- Hisální a parahisální stim mají menší DYS než u unifokální pravokomorové stimulaci

Děkuji za pozornost

