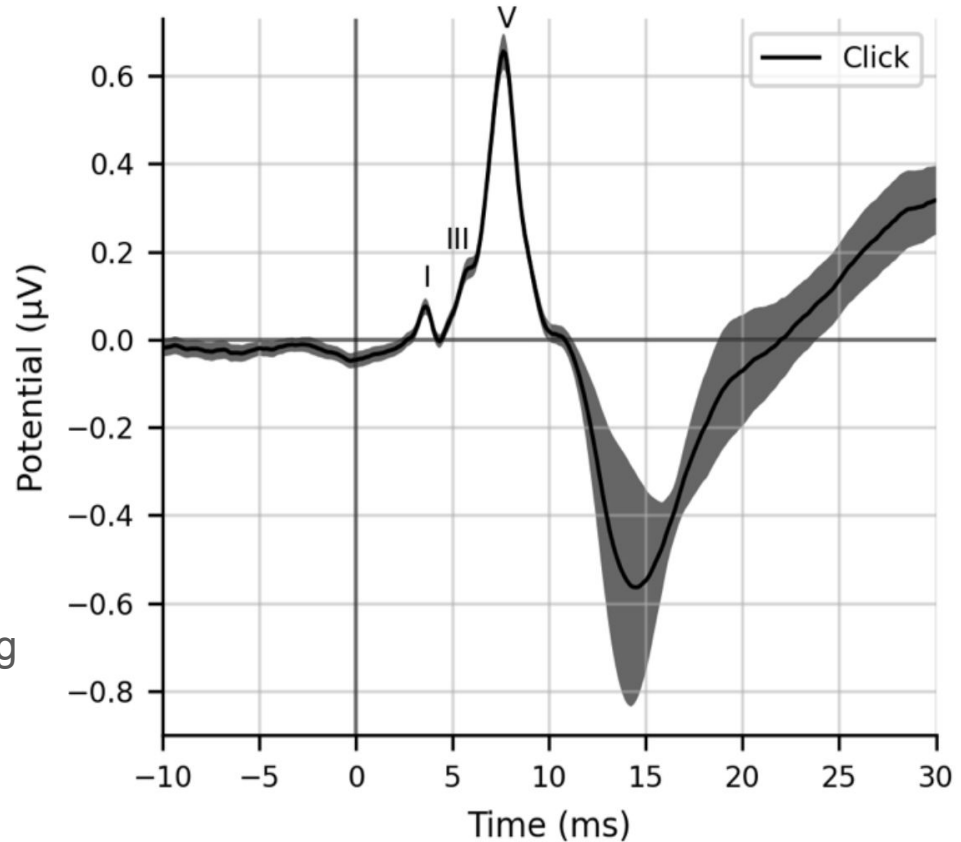


Background

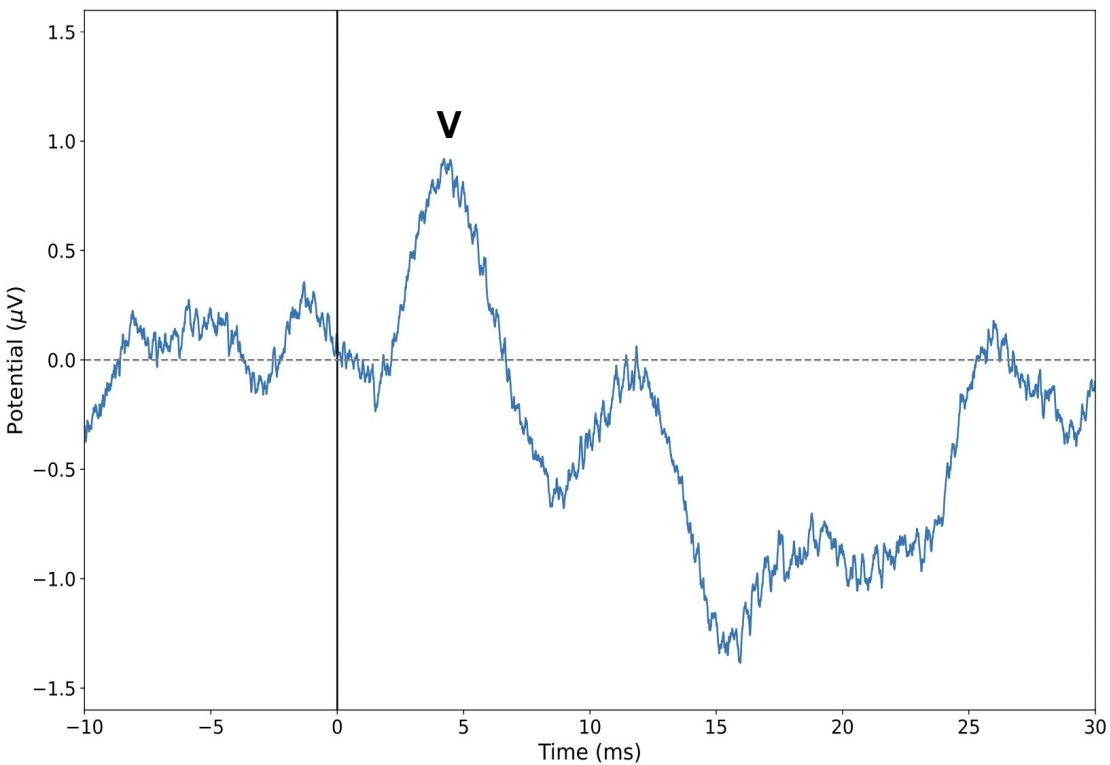
What is the Auditory Brainstem Response (ABR)?

- Evoked response from subcortical neural activity
- Waves I, III, V show function of different subcortical structures:
 - Wave I generated by auditory nerve
 - Wave III by cochlear nucleus
 - Wave V generated by nerves leading to IC
- Later features show thalamic and cortical activity

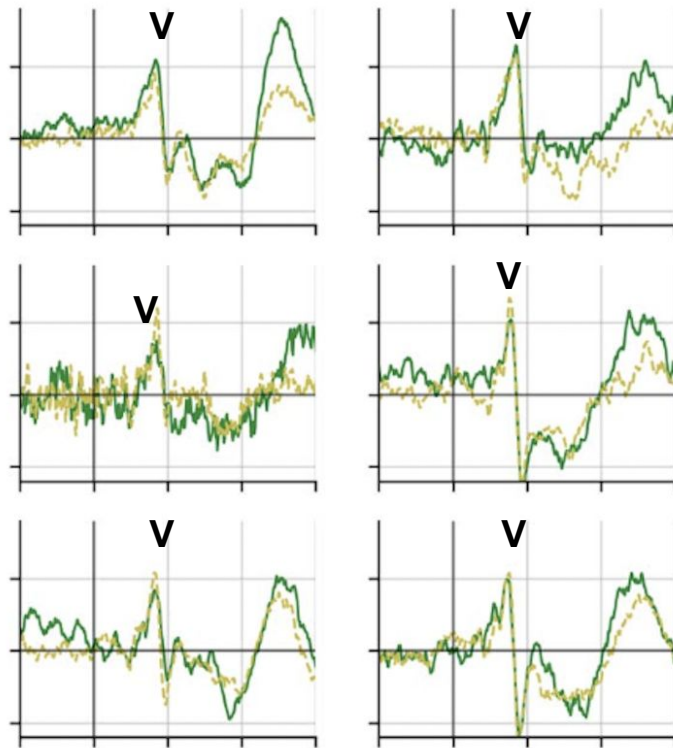


Our ABR (1 subject)

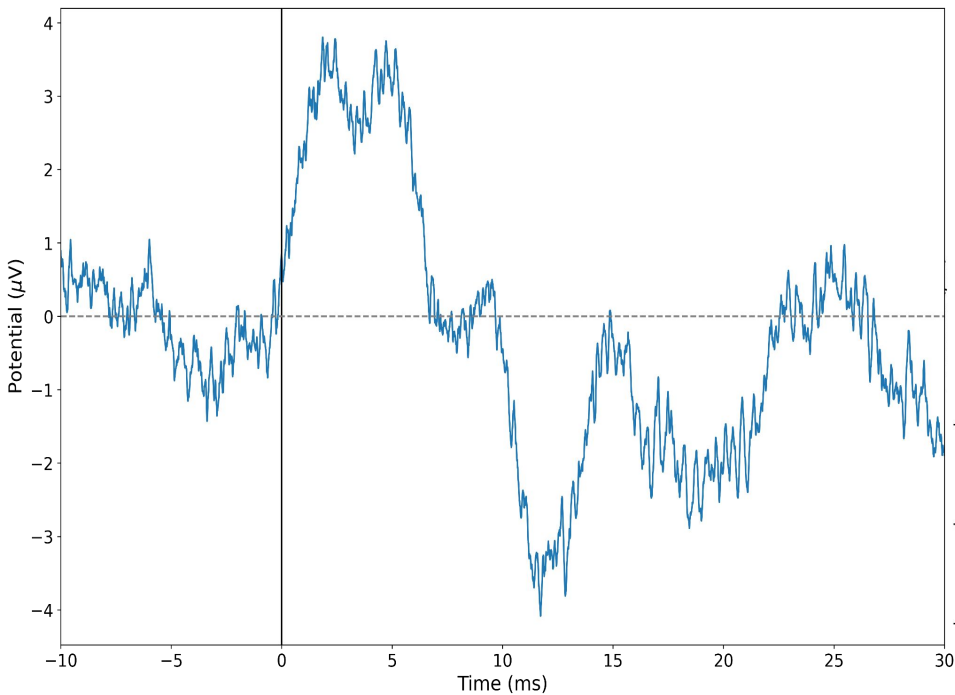
FFT Deconvolved ABR (Averaged Over Fz, Cz, FC1, FC2)
30 min trial



Maddox ABRs



FFT Deconvolved ABR (Averaged Over Fz, Cz, FC1, FC2)
5 min trial



FFT Deconvolved ABR (Averaged Over Fz, Cz, FC1, FC2)
30 min trial

