

## MGH Evoked Potential Normative Values

<b>Pattern Shift Visual Evoked Potentials</b>	<b>Mean</b>	<b>SD</b>	<b>Mean + 3 SD</b>	<b>Notes</b>
P 100 Latency (msec)	102.3	5.1	117.6	
Inter-eye difference (msec)	1.3	2	7.3	
P 100 Amplitude ( $\mu$ V)	10.1	4.2	N/A	
P 100 Amplitude % difference	85.5%	10.50%	53.9%	(Smallest/Largest) X 100
<b>Brainstem Auditory Evoked Potentials</b>	<b>Mean</b>	<b>SD</b>	<b>Mean + 3 SD</b>	
<b>Latencies (msec)</b>				
I	1.7	0.15	2.2	
II	2.8	0.17	3.3	
III	3.9	0.19	4.5	
IV	5.1	0.24	5.8	
V	5.7	0.25	6.5	
VI	7.3	0.29	8.2	
<b>Inter-wave latencies (msec)</b>				
I-III	2.1	0.15	2.6	
I-V	4	0.23	4.7	
III-IV	1.2	0.16	1.7	
III-V	1.9	0.18	2.4	
IV-V	0.7	0.19	1.3	
V-VI	1.5	0.25	2.3	

<b>Median Somatosensory Evoked Potentials</b>	<b>Mean</b>	<b>SD</b>	<b>Mean + 3 SD</b>
<b>Latencies (msec)</b>			
EP	9.7	0.76	12.0
P/N 13	13.5	0.92	16.3
N 19	19	1.02	22.1
P 22	22	1.29	25.9
<b>Intervave latencies (msec)</b>			
EP-P/N 13	3.8	0.45	5.2
EP-N 19	9.3	0.53	10.9
EP-P 22	12.3	0.86	14.9
P/N 13-N 19	5.5	0.42	6.8
<b>Amplitudes (<math>\mu</math>V)</b>			
EP	3	1.86	8.6
P/N 13	2.3	0.87	4.9
N 19	1	0.56	2.68
P 22	2.2	1.1	5.5
<b>Posterior Tibial Somatosensory Evoked Po</b>			
	<b>Mean</b>	<b>SD</b>	<b>Mean + 3 SD</b>
<b>Latencies (msec)</b>			
LP	19.9	1.8	25.3
N/P 37	36.3	2.4	43.5
LP-N/P 37	16.4	1.4	20.6
<b>Left - Right Latency Difference (msec)</b>			
LP	0.42	0.28	1.26
N/P 37	0.62	0.37	1.73
LP-N/P 37	0.67	0.42	1.93

Modified from Chiappa, KH. Evoked Potentials in Clinical Medicine. Raven Press, 1983

This data is for internal use only. Values are based on normal subjects evaluated at Massachusetts General Hospital.

Clinical situations and considerations may vary. These norms have been developed for use by our team at MGH in appropriate circumstances. Changes in our practice may occur without notice. We make no statements or warranties about the appropriateness or accuracy of these values in other clinical settings.