

Study ID:
 Date of Study: 2014-10-28
 Technician: tt
 Physician: pp
 Diagnosis:

Patient ID: 340312-1143
 Name: Mr John Doe (Demo)
 Sex: Female
 Age: 51
 Height: 176 cm

Conclusion

Comments

Motor NCS

Motor NCS										
Nerve	Lat		Amp		CV		Amp Diff		F-M Lat	
	ms	Ref.Dev (SD)	mV	Ref.Dev (SD)	m/s	Ref.Dev (SD)	%	Ref.Dev (SD)	ms	Ref.Dev (SD)
Medianus Motor Left										
Wrist - APB	3.67	0.78	4.3	-1.56					26.7	2.4
Elbow-Wrist	4.88		4.0		--	-15.4	-7.0	-0.30		
Medianus Motor Right										
Wrist - APB	2.34	-2.8	4.3	-1.56					25.4	1.12
Palm (if low Wrist-M) - APB	6.17		4.0							
Elbow-Wrist	5.38		3.5		64.5	1.53	-18.6	-2.6		
Peroneus Motor Left										
Ankle - EDB	3.56	-1.32	4.2	-0.76					27.5	-8.2
Bl. fib. head-Ankle	5.00		4.0		--	-12.3	-4.8	0.25		
Peroneus Motor Right										
Ankle - EDB	3.56	-1.32	4.2	-0.76					26.1	-8.8
Tibialis Motor Left										
Med. mal - Abd hal	3.65	-1.81	4.1	-4.0					26.2	-9.3
Tibialis Motor Right										
Med. mal - Abd hal	3.67	-1.79	4.1	-4.0					28.4	-8.4
Ulnaris Motor Left										
Wrist - ADM	3.71	2.7	4.1	-1.82					28.0	2.7
Bl. elbow-Wrist	4.90		4.2		103	7.8	2.4	2.1		
Ulnaris Motor Right										
Wrist - ADM	3.67	2.6	4.3	-1.76					32.4	6.7
Bl. elbow-Wrist	4.94		4.0		--	-11.6	-7.0	-0.25		

Sensory NCS

Sensory NCS						
Nerve	Lat		Amp		CV	
	ms	Ref.Dev (SD)	uV	Ref.Dev (SD)	m/s	Ref.Dev (SD)
Medianus Sensory Left						
Dig III - Wrist	3.50		73.5	3.7	--	-9.1
Dig IV - Wrist	4.29		74.9	5.3	--	-10.0
Palm - Wrist	4.98		73.1	-0.063	--	-9.0
Medianus Sensory Right						
Dig IV - Wrist	4.27		73.8	5.2	--	-10.0
Palm - Wrist	5.02		75.1	0	--	-9.0
Peroneus superfic Sensory Right						
Leg - Ankle	5.00		78.2	6.0	33.7	-1.69

Sensory NCS						
Radialis Sensory Right						
Forearm - Web space I-II	3.52		72.2	3.7	48.3	-2.7
Suralis Sensory Right						
Mid. dorsal leg - Lat. Malleolus	3.54		75.3	3.7	47.9	-0.29
Ulnaris Sensory Right						
Dig IV - Wrist	3.52		72.3	5.2	--	-10.7
Dig V - Wrist	4.27		74.6	4.4	--	-10.2
Palm - Wrist	5.04		73.5	1.74	--	-8.0

Motor NCS

Motor NCS					
Nerve	Lat	Amp	CV	Amp Diff	F-M Lat
Medianus Motor Left					
Wrist - APB					
Elbow-Wrist					
Medianus Motor Right					
Wrist - APB					
Palm (if low Wrist-M) - APB					
Elbow-Wrist					
Peroneus Motor Left					
Ankle - EDB					
Bl. fib. head-Ankle					
Peroneus Motor Right					
Ankle - EDB					
Tibialis Motor Left					
Med. mal - Abd hal					
Tibialis Motor Right					
Med. mal - Abd hal					
Ulnaris Motor Left					
Wrist - ADM					
Bl. elbow-Wrist					
Ulnaris Motor Right					
Wrist - ADM					
Bl. elbow-Wrist					

Motor NCS

Sensory NCS

Sensory NCS			
Nerve	Lat	Amp	CV
Medianus Sensory Left			
Dig III - Wrist			
Dig IV - Wrist			
Palm - Wrist			
Medianus Sensory Right			
Dig IV - Wrist			
Palm - Wrist			
Peroneus superfic Sensory Right			
Leg - Ankle			
Radialis Sensory Right			
Forearm - Web space I-II			
Suralis Sensory Right			
Mid. dorsal leg - Lat. Malleolus			
Ulnaris Sensory Right			
Dig IV - Wrist			
Dig V - Wrist			
Palm - Wrist			

EMG Findings

Muscle	Interpretation	Insertion Activity	Spontaneous Activity			Amp	Dur	Voluntary Activity			Recruit	Firing	Notes
			Fib	PSW	Fasc			Poly	Stabil	IP			
Right Ext dig communis	Not interpreted		0/10	0/10		Normal	Normal	Normal	Normal	Normal			
Right Biceps	Slight inactive Neur	Normal	0/10	0/10	0	Normal	Normal	Normal	Normal	Normal	Normal		
Right Deltoideus post	Slight subacute Neur	Normal	0/10	0/10		Normal	Normal	Normal	Normal	Normal			
Right Rhomboideus major	Normal		0/10	6/10		+	Normal	+	Normal	Normal		1-	Note1

H-Reflex

Left Tibialis HReflex							
	H-M Lat		M/H-Amp	M-Lat	M-Amp	H-Lat	H-Amp
	ms	Ref.Dev (SD)		ms	mV	ms	mV
Pop Fossa - Soleus	15.5	-6.8	23.2	2.8	0.68	18.3	0.029

Blink Reflex

CC Stim					
Stim	Rec	R1-Lat		R2-Lat	
		[ms]	RefDev	[ms]	RefDev
Left	Left	-		-	
	Right			-	
	Difference			-	
Right	Right	6.0	-5.2	-	
	Left			30.6	0.033
	Difference			-	
Left-Right		-		-	

MEP

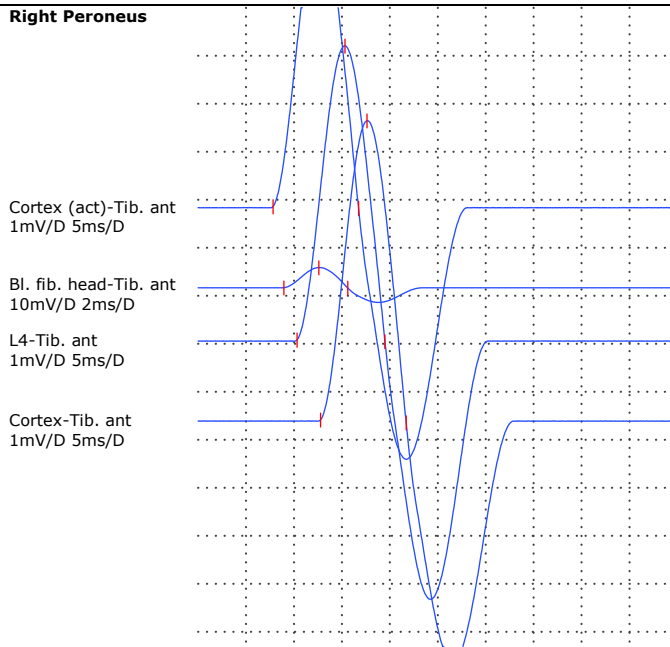
MEP					
Nerve	Site	Side	Lat	Amp	CCT
			ms	mV	ms
Peroneus	Cortex (act) - Tib. ant	Right	7.8	6.1	
	L4 - Tib. ant	Right	10.3	6.1	
	Cortex - Tib. ant	Right	12.8	6.2	-2.4

Right Motor Peroneus					
Site	Lat	Amp	Dur	Stim	
	ms	mV	ms	mA	
Bl. fib. head - Tib. ant	3.58	4.2	2.7	11.1	

Right Sensory Peroneus						
Site	Dist	Lat	Amp	CV	Stim	(CVLat)
	mm	ms	μ V	m/s	mA	ms
Bl. fib. head - Tib. ant					11.1	

Right NearNerve Peroneus						
Site	Dist	Lat	Amp	CV	Stim	(CVLat)
	mm	ms	μ V	m/s	mA	ms
Bl. fib. head - Tib. ant					11.1	

Right Peroneus



Short Segments

Right Motor Ulnaris		
Site	Lat	Amp
	ms	mV
Wrist - ADM	3.60	4.2
[Elb-3] - ADM	4.85	4.2
[Elb-2] - ADM	6.23	4.1
[Elb-1] - ADM	7.44	4.1
[Elb] - ADM	8.58	4.3
[Elb+1] - ADM	9.81	4.0
[Elb+2] - ADM	11.1	4.0
[Elb+3] - ADM	12.4	4.1

Right Motor Ulnaris			
Segment	Lat Diff	Amp Diff	Dist
	ms	%	
[Elb-3]-Wrist	1.25	0	
[Elb-2]-[Elb-3]	1.38	-2.4	10.0
[Elb-1]-[Elb-2]	1.21	0	10.0
[Elb]-[Elb-1]	1.14	4.9	10.0
[Elb+1]-[Elb]	1.23	-7.0	10.0
[Elb+2]-[Elb+1]	1.29	0	10.0
[Elb+3]-[Elb+2]	1.30	2.5	10.0

Right Ulnaris

Wrist-ADM
5mV/D 3ms/D

[Elb-3]-ADM
5mV/D 3ms/D

[Elb-2]-ADM
5mV/D 3ms/D

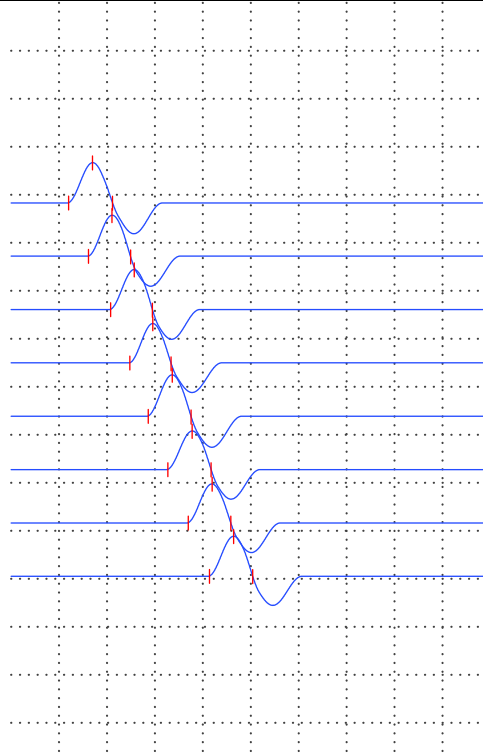
[Elb-1]-ADM
5mV/D 3ms/D

[Elb]-ADM
5mV/D 3ms/D

[Elb+1]-ADM
5mV/D 3ms/D

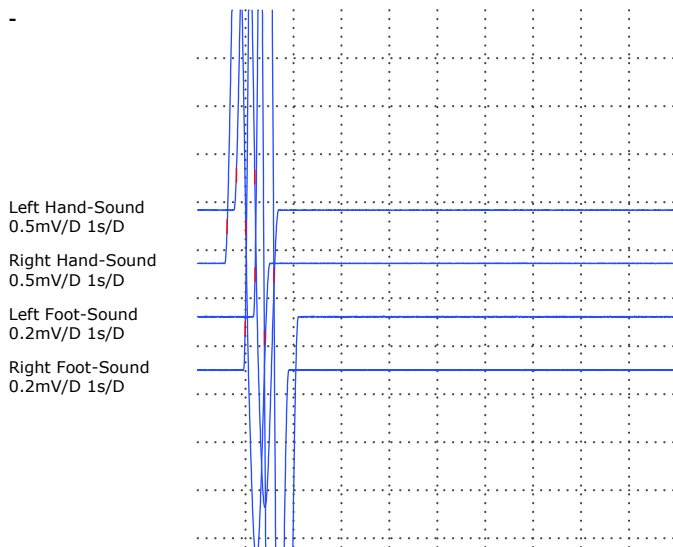
[Elb+2]-ADM
5mV/D 3ms/D

[Elb+3]-ADM
5mV/D 3ms/D

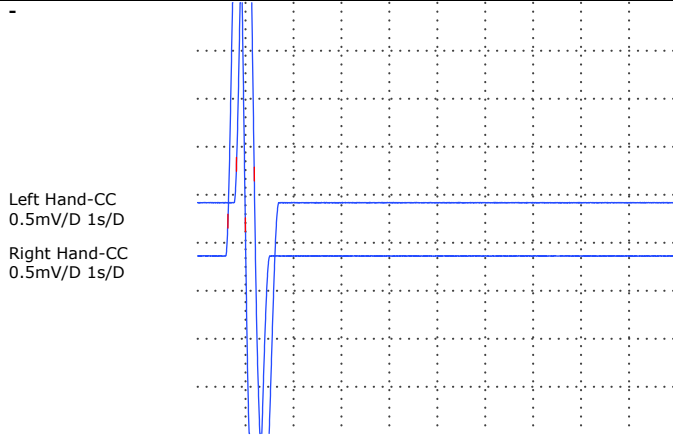


SSR

Motor -	
Site	Lat
	ms
Left Hand - Sound	810
Right Hand - Sound	617
Left Foot - Sound	1200
Right Foot - Sound	993

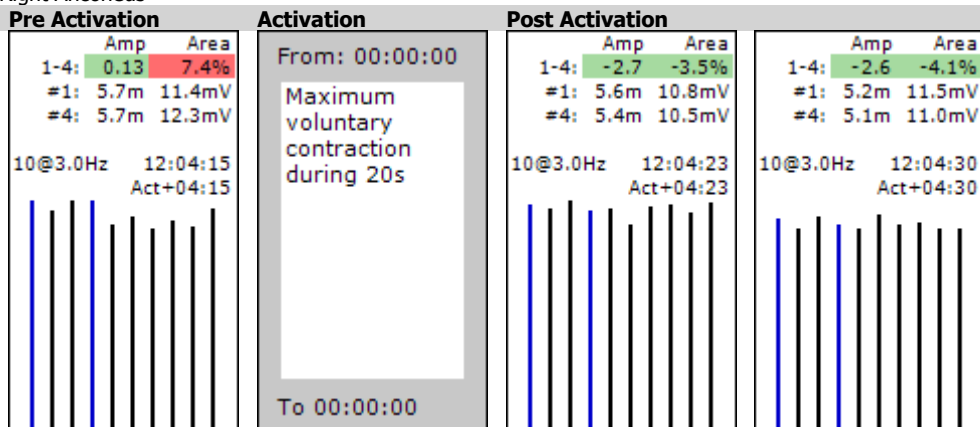


Motor -	
Site	Lat
	ms
Left Hand - CC	813
Right Hand - CC	633

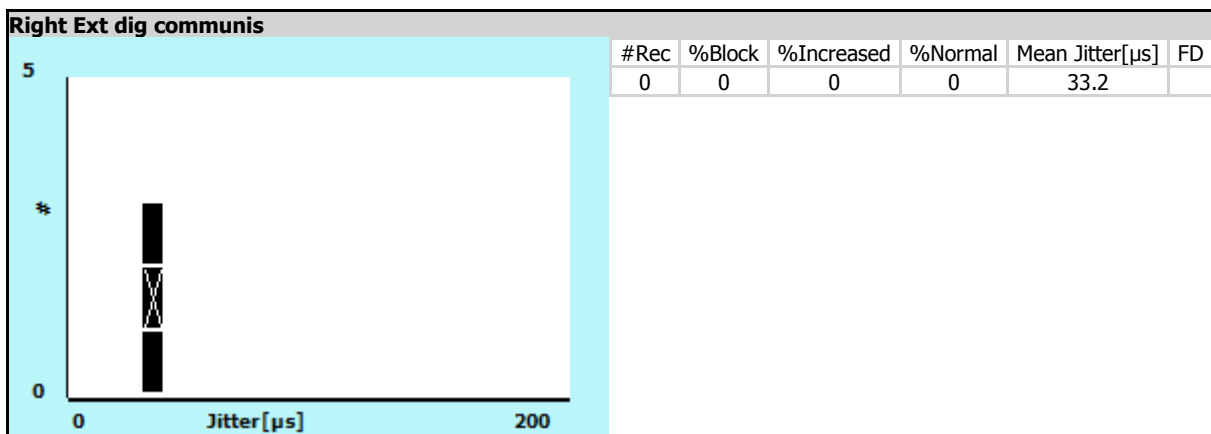


RNS

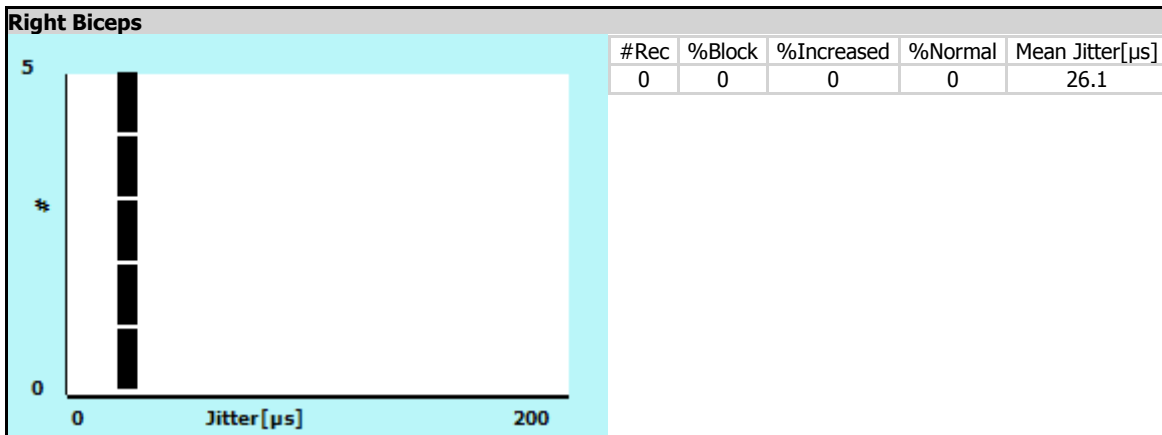
Right Anconeus



Single Fiber EMG

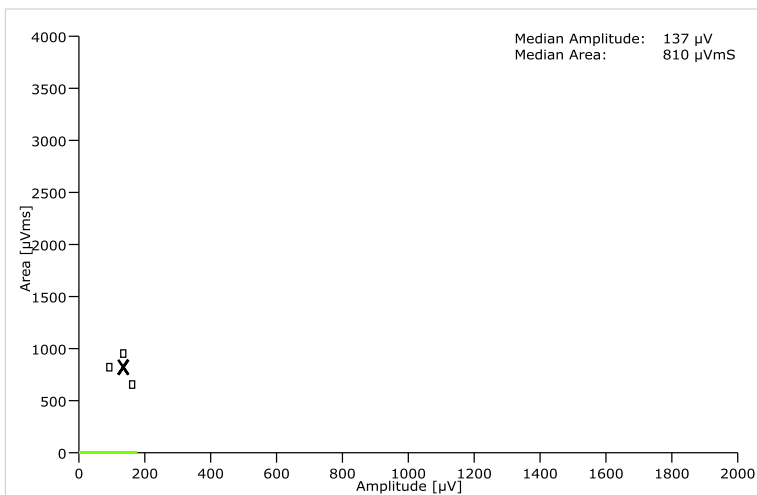


Stim Single Fiber EMG



Macro EMG

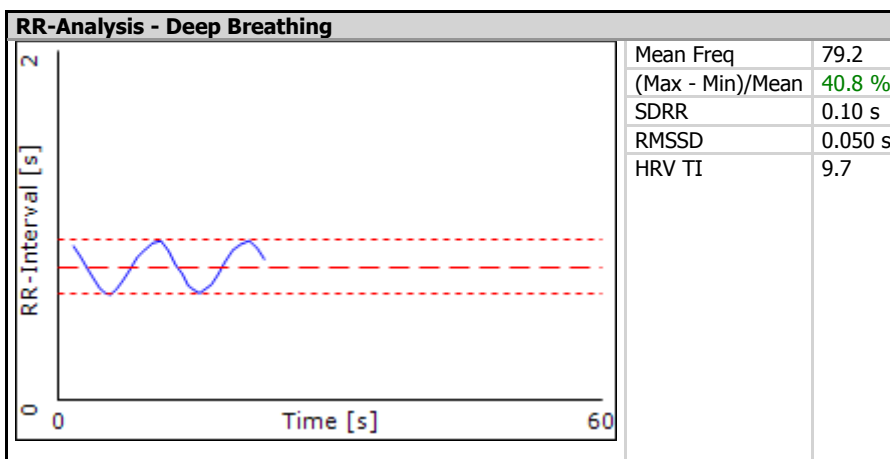
Left Biceps

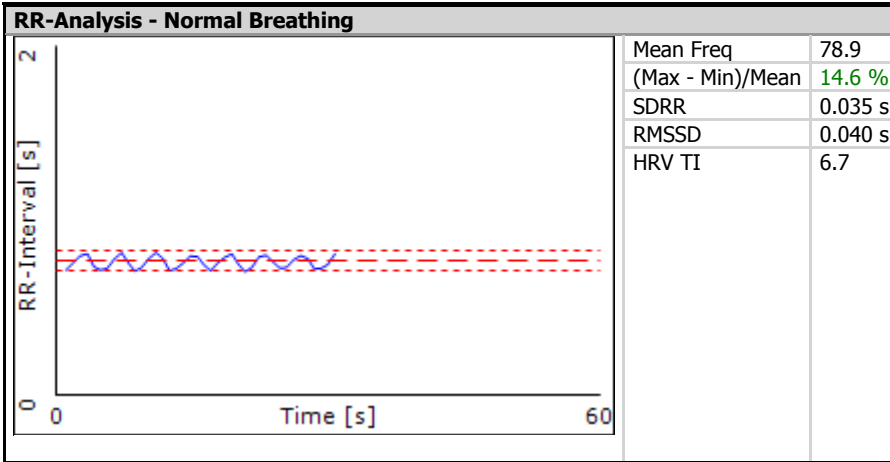


Left Biceps

#Rec	%Block	%Increased	%Normal	FD
0	0	0	0	

RR-Interval

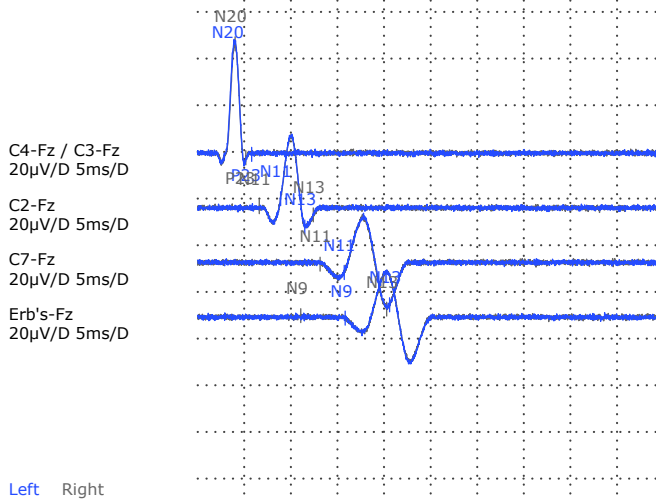




SEP C5

SEP					
			Latency		
			L (ms)	R (ms)	Side Diff (ms)
Mean	C4-Fz / C3-Fz	N20	3.7	4.0	0.30
		P23	5.8	5.2	0.60
	C2-Fz	N11	8.9	6.6	2.3
		N13	11.5	12.4	0.90
	C7-Fz	N11	15.7	13.1	2.6
		N13	20.6	20.3	0.30
	Erb's-Fz	N9	15.8	11.1	4.7

SEP: C5[Upper arm] Mean:
14.4 mA

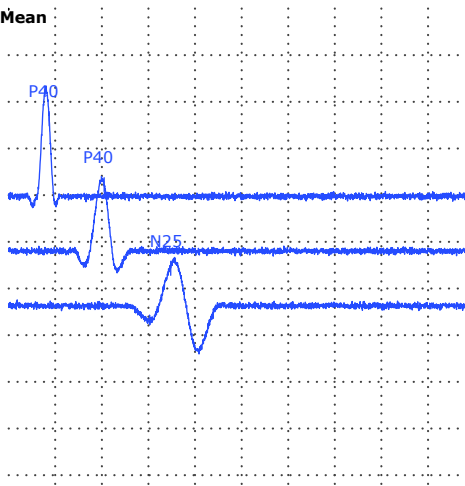


SEP C6

SEP					
			Latency		
			L (ms)	R (ms)	Side Diff (ms)
Mean	Cz-Fz	P40	4.3		
	C3'-C4'	P40	10.2		
	T12-Hip	N25	17.4		

SEP: C6[Lower leg] Mean
13.4 mA

Cz-Fz
20µV/D 5ms/D
C3'-C4'
20µV/D 5ms/D
T12-Hip
20µV/D 5ms/D



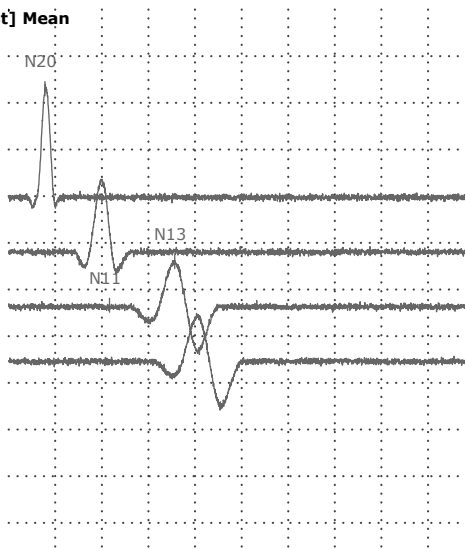
Left

SEP Medianus

SEP					
			Latency		
			L (ms)	R (ms)	Side Diff (ms)
Mean	C3'-Fz	N20		3.9	
		C7-Fz	N11	10.8	
		N13		17.8	
	C3'-Fz - C7-Fz	N20 - N13		13.9	

SEP: Medianus[Wrist] Mean
14.5 mA

C3'-Fz
20µV/D 5ms/D
C2-Fz
20µV/D 5ms/D
C7-Fz
20µV/D 5ms/D
Erb's-Fz
20µV/D 5ms/D



Right

BAEP BAEP Cz 10Hz

BAEP					
			Latency		
			L (ms)	R (ms)	L/R side diff (ms)
Mean	A1-Cz / A2-Cz	I	1.56	1.12	0.44
		II	2.5	2.3	0.20
		III	3.6	3.8	0.20
		IV	5.0	5.0	0
		V	6.1	6.3	0.20
	A2-Cz / A1-Cz	II*	1.73	1.42	0.31

BAEP					
		III*	2.8	2.8	0
		IV*	4.0	3.7	0.30
		V*	5.5	5.6	0.10
	A2-Cz - A2-Cz	I - III	2.0	2.7	0.70
	A2-Cz - A2-Cz	III - V	2.5	2.5	0
	A2-Cz - A2-Cz	I - V	4.5	5.2	0.70

BAEP: BAEP Cz 10Hz[Ear]:Mean
[64 - 68] dB

