

## Normal Reference Limits - FWave

Nerve	Stim	Rec	Parameter	From Age	To Age	Gender	Ref.Type	Source
Median	Wrist	APB	F-M Latency (min) [ms]	15		Female/Male	Mean/SD	Uppsala, Leena Puksa, 1998
Ulnar	Wrist	ADM	F-M Latency (min) [ms]	15		Female/Male	Mean/SD	Uppsala 1998
Peroneal	Ankle	EDB	F-M Latency (min) [ms]	15		Female/Male	Mean/SD	Uppsala 1998
Tibial	Med. Mal	AH	F-M Latency (min) [ms]	15		Female/Male	Mean/SD	Uppsala 1998

## Normal Reference Limits - Motor Sites

Nerve	Stim	Rec	Parameter	From Age	To Age	Gender	Ref.Type	Source
Median	Wrist	APB	Takeoff Latency [ms]	15		Female/Male	Mean/SD	Uppsala, 1998
Median	Wrist	APB	Negative amplitude [mV]	15		Female/Male	Mean/SD	Uppsala, 1998
Ulnar	Wrist	ADM	Takeoff Latency [ms]	15		Female/Male	Mean/SD	Uppsala, 1998
Ulnar	Wrist	ADM	Negative amplitude [mV]	15		Female/Male	Mean/SD	Uppsala, 1998
Peroneal	Ankle	EDB	Takeoff Latency [ms]	15		Female/Male	Mean/SD	Uppsala, 1998
Peroneal	Ankle	EDB	Negative amplitude [mV]	15		Female/Male	Mean/SD	Uppsala, 1998
Tibial	Med. Mal	AH	Takeoff Latency [ms]	15		Female/Male	Mean/SD	Uppsala, 1998
Tibial	Med. Mal	AH	Negative amplitude [mV]	15		Female/Male	Mean/SD	Uppsala, 1998
Radial	Forearm	EIP	Negative amplitude [mV]	15		Female/Male	Mean/SD	Östersund, 2001
Axillary	Erb	Delt post	Negative amplitude [mV]	15		Female/Male	Mean/SD	Uppsala, 2014

## Normal Reference Limits - Motor Segments

Nerve	From Pos	To Pos	Parameter	From Age	To Age	Gender	Ref.Type	Source
Median	Elbow	Wrist	Conduction velocity [m/s]	15		Female/Male	Mean/SD	Uppsala, 1998
Median	Elbow	Wrist	Prox-Dist Amplitude diff [%]	15		Female/Male	Mean/SD	Uppsala, 1998
Ulnar	Bel.Elbow	Wrist	Conduction velocity [m/s]	15		Female/Male	Mean/SD	Uppsala, 1998
Ulnar	Bel.Elbow	Wrist	Prox-Dist Amplitude diff [%]	15		Female/Male	Mean/SD	Uppsala, 1998
Ulnar	Ab.Elbow	Bel.Elbow	Conduction velocity [m/s]	15		Female/Male	Mean/SD	Uppsala, 1998
Ulnar	Ab.Elbow	Bel.Elbow	Prox-Dist Amplitude diff [%]	15		Female/Male	Mean/SD	Uppsala, 1998
Ulnar	Erb	Ab.Elbow	Conduction velocity [m/s]	15		Female/Male	Mean/SD	Uppsala, 1998
Ulnar	Erb	Ab.Elbow	Prox-Dist Amplitude diff [%]	15		Female/Male	Mean/SD	Uppsala, 1998
Radial	Upper arm	Forearm	Conduction velocity [m/s]	15		Female/Male	Mean/SD	Östersund, 2001
Radial	Upper arm	Forearm	Prox-Dist Amplitude diff [%]	15		Female/Male	Mean/SD	Östersund, 2001
Peroneal	Bel.Fib.Head	Ankle	Conduction velocity [m/s]	15		Female/Male	Mean/SD	Uppsala, 1998
Peroneal	Bel.Fib.Head	Ankle	Prox-Dist Amplitude diff [%]	15		Female/Male	Mean/SD	Uppsala, 1998
Tibial	Pop Fossa	Med.Mal	Conduction velocity [m/s]	15		Female/Male	Mean/SD	Uppsala, 1998
Tibial	Pop Fossa	Med.Mal	Prox-Dist Amplitude diff [%]	15		Female/Male	Mean/SD	Uppsala, 1998

## Normal Reference Limits - Sensory

Nerve	From Pos	To Pos	Parameter	From Age	To Age	Gender	Ref.Type	Source
Median	Palm	Wrist	Conduction velocity (Pos1) [m/s]	15		Female/Male	Mean/SD	Uppsala, 2006
Median	Palm	Wrist	Amplitude (Pos1-Pos2 tilted baseline) [uV]	15		Female/Male	Mean/SD	Uppsala, 2006
Median	Dig I	Wrist	Conduction velocity (Pos1) [m/s]	15		Female/Male	Mean/SD	Uppsala, 2006
Median	Dig I	Wrist	Amplitude (Pos1-Pos2 tilted baseline) [uV]	15		Female/Male	Mean/SD	Uppsala, 2006

Median	Dig II	Wrist	Conduction velocity (Pos1) [m/s]	15	Female/Male	Mean/SD	Uppsala, 2006
Median	Dig II	Wrist	Amplitude (Pos1-Pos2 tilted baseline) [uV]	15	Female/Male	Mean/SD	Uppsala, 2006
Median	Dig III	Wrist	Conduction velocity (Pos1) [m/s]	15	Female/Male	Mean/SD	Uppsala, 2006
Median	Dig III	Wrist	Amplitude (Pos1-Pos2 tilted baseline) [uV]	15	Female/Male	Mean/SD	Uppsala, 2006
Median	Dig IV	Wrist	Conduction velocity (Pos1) [m/s]	15	Female/Male	Mean/SD	Uppsala, 2006
Median	Dig IV	Wrist	Amplitude (Pos1-Pos2 tilted baseline) [uV]	15	Female/Male	Mean/SD	Uppsala, 2006
Ulnar	Palm	Wrist	Conduction velocity (Pos1) [m/s]	15	Female/Male	Mean/SD	Uppsala, 2006
Ulnar	Palm	Wrist	Amplitude (Pos1-Pos2 tilted baseline) [uV]	15	Female/Male	Mean/SD	Uppsala, 2006
Ulnar	Dig IV	Wrist	Conduction velocity (Pos1) [m/s]	15	Female/Male	Mean/SD	Uppsala, 2006
Ulnar	Dig IV	Wrist	Amplitude (Pos1-Pos2 tilted baseline) [uV]	15	Female/Male	Mean/SD	Uppsala, 2006
Ulnar	Dig V	Wrist	Conduction velocity (Pos1) [m/s]	15	Female/Male	Mean/SD	Uppsala, 2006
Ulnar	Dig V	Wrist	Amplitude (Pos1-Pos2 tilted baseline) [uV]	15	Female/Male	Mean/SD	Uppsala, 2006
Radial	Forearm	Web I-II	Conduction velocity (Pos1) [m/s]	15	Female/Male	Mean/SD	Uppsala, 2006
Radial	Forearm	Web I-II	Amplitude (Pos1-Pos2 tilted baseline) [uV]	15	Female/Male	Mean/SD	Uppsala, 2006
Sural	Mid.Dorsal leg	Lat.Mal	Conduction velocity (Pos1) [m/s]	15	Female/Male	Mean/SD	Uppsala, 2006
Sural	Mid.Dorsal leg	Lat.Mal	Amplitude (Pos1-Pos2 tilted baseline) [uV]	15	Female/Male	Mean/SD	Uppsala, 2006
Lat antebrachial	Ab. Elbow	Mid forearm	Conduction velocity (Pos1) [m/s]	15	Female/Male	Mean/SD	Uppsala, 2006
Lat antebrachial	Ab. Elbow	Mid forearm	Amplitude (Pos1-Pos2 tilted baseline) [uV]	15	Female/Male	Mean/SD	Uppsala, 1993
Med antebrachial	Ab. Elbow	Mid forearm	Conduction velocity (Pos1) [m/s]	15	Female/Male	Mean/SD	Uppsala, 1993
Med antebrachial	Ab. Elbow	Mid forearm	Amplitude (Pos1-Pos2 tilted baseline) [uV]	15	Female/Male	Mean/SD	Uppsala, 1993
Superficial Peroneal	Leg	Ankle	Conduction velocity (Pos1) [m/s]	15	Female/Male	Mean/SD	Uppsala, 1993
Superficial Peroneal	Leg	Ankle	Amplitude (Pos1-Pos2 tilted baseline) [uV]	15	Female/Male	Mean/SD	Uppsala, 1993
Superficial Peroneal	Ankle	Med.Foot	Conduction velocity (Pos1) [m/s]	15	Female/Male	Mean/SD	Åbo, 1998
Superficial Peroneal	Ankle	Med.Foot	Amplitude (Pos1-Pos2 tilted baseline) [uV]	15	Female/Male	Mean/SD	Åbo, 1998
Saphenous	Bel.Knee	Tibia	Conduction velocity (Pos1) [m/s]	15	Female/Male	Mean/SD	Uppsala, 1993
Saphenous	Bel.Knee	Tibia	Amplitude (Pos1-Pos2 tilted baseline) [uV]	15	Female/Male	Mean/SD	Uppsala, 1993
Tib plant med	Med. sole	Med.Mal	Conduction velocity (Pos1) [m/s]	15	Female/Male	Mean/SD	Tromsø, 2006
Tib plant med	Med. sole	Med.Mal	Amplitude (Pos1-Pos2 tilted baseline) [uV]	15	Female/Male	Mean/SD	Tromsø, 2006
Tib plant lat	Lat. Sole	Med.Mal	Negative peak latency [ms]	15	Female/Male	Mean/SD	Uppsala, 1990
Dig plant med	Dig I	Ankle	Conduction velocity (Pos1) [m/s]	15	Female/Male	Mean/SD	Åbo
Dig plant med	Dig II	Ankle	Conduction velocity (Pos1) [m/s]	15	Female/Male	Mean/SD	Åbo
Dig plant med	Dig III	Ankle	Conduction velocity (Pos1) [m/s]	15	Female/Male	Mean/SD	Åbo
Dig plant med	Dig IV	Ankle	Conduction velocity (Pos1) [m/s]	15	Female/Male	Mean/SD	Åbo
Dig plant med	Dig V	Ankle	Conduction velocity (Pos1) [m/s]	15	Female/Male	Mean/SD	Åbo
Dig plant lat	Dig I	Ankle	Conduction velocity (Pos1) [m/s]	15	Female/Male	Mean/SD	Åbo
Dig plant lat	Dig II	Ankle	Conduction velocity (Pos1) [m/s]	15	Female/Male	Mean/SD	Åbo
Dig plant lat	Dig III	Ankle	Conduction velocity (Pos1) [m/s]	15	Female/Male	Mean/SD	Åbo
Dig plant lat	Dig IV	Ankle	Conduction velocity (Pos1) [m/s]	15	Female/Male	Mean/SD	Åbo

### Normal Reference Limits - HReflex

Nerve	From Pos	Rec	Parameter	From Age	To Age	Gender	Ref.Type	Source
Tibial	Pop Fossa	Soleus	H-M Latency [ms]			Female/Male	Mean/SD	Tonzola et al, 1981

### Normal Reference Limits - CTS

Nerve	From Pos	To Pos	Parameter	From Age	To Age	Gender	Ref.Type	Source
Median	Dig III	Wrist	Index [-]			Female/Male	Mean/SD	Uppsala, 1999

## Normal Reference Limits - MultiMUP

Muscle	Electrode	Parameter	From Age	To Age	Gender	Ref.Type	Source
APB	Concentric	Amplitude (indiv.) [uV]			Female/Male	Normal range	Multi center, 1994
APB	Concentric	Duration (indiv.) [ms]			Female/Male	Normal range	Multi center, 1994
APB	Concentric	Area (indiv.) [uVms]			Female/Male	Normal range	Multi center, 1994
APB	Concentric	Amplitude (mean) [uV]			Female/Male	Mean/SD	Multi center, 1994
APB	Concentric	Duration (mean) [ms]			Female/Male	Mean/SD	Multi center, 1994
APB	Concentric	Area (mean) [uVms]			Female/Male	Mean/SD	Multi center, 1994
APB	Concentric	Phases (mean) [#]			Female/Male	Mean/SD	Multi center, 1994
APB	Concentric	Area/Amp (Thickness) (mean) [ms]			Female/Male	Mean/SD	Multi center, 1994
Biceps	Concentric	Amplitude (indiv.) [uV]			Female/Male	Normal range	Multi center, 1994
Biceps	Concentric	Duration (indiv.) [ms]			Female/Male	Normal range	Multi center, 1994
Biceps	Concentric	Area (indiv.) [uVms]			Female/Male	Normal range	Multi center, 1994
Biceps	Concentric	Amplitude (mean) [uV]			Female/Male	Mean/SD	Multi center, 1994
Biceps	Concentric	Duration (mean) [ms]			Female/Male	Mean/SD	Multi center, 1994
Biceps	Concentric	Area (mean) [uVms]			Female/Male	Mean/SD	Multi center, 1994
Biceps fem cap brev	Concentric	Amplitude (indiv.) [uV]			Female/Male	Normal range	Multi center, 1994
Biceps fem cap brev	Concentric	Duration (indiv.) [ms]			Female/Male	Normal range	Multi center, 1994
Biceps fem cap brev	Concentric	Area (indiv.) [uVms]			Female/Male	Normal range	Multi center, 1994
Biceps fem cap brev	Concentric	Amplitude (mean) [uV]			Female/Male	Mean/SD	Multi center, 1994
Biceps fem cap brev	Concentric	Duration (mean) [ms]			Female/Male	Mean/SD	Multi center, 1994
Biceps fem cap brev	Concentric	Area (mean) [uVms]			Female/Male	Mean/SD	Multi center, 1994
Biceps fem cap brev	Concentric	Phases (mean) [#]			Female/Male	Mean/SD	Multi center, 1994
Biceps fem cap brev	Concentric	Area/Amp (Thickness) (mean) [ms]			Female/Male	Mean/SD	Multi center, 1994
Deltoid (post)	Concentric	Amplitude (indiv.) [uV]			Female/Male	Normal range	Multi center, 1994
Deltoid (post)	Concentric	Duration (indiv.) [ms]			Female/Male	Normal range	Multi center, 1994
Deltoid (post)	Concentric	Area (indiv.) [uVms]			Female/Male	Normal range	Multi center, 1994
Deltoid (post)	Concentric	Amplitude (mean) [uV]			Female/Male	Mean/SD	Multi center, 1994
Deltoid (post)	Concentric	Duration (mean) [ms]			Female/Male	Mean/SD	Multi center, 1994
Deltoid (post)	Concentric	Area (mean) [uVms]			Female/Male	Mean/SD	Multi center, 1994
Deltoid (post)	Concentric	Phases (mean) [#]			Female/Male	Mean/SD	Multi center, 1994
Deltoid (post)	Concentric	Area/Amp (Thickness) (mean) [ms]			Female/Male	Mean/SD	Multi center, 1994
EDB	Concentric	Amplitude (indiv.) [uV]			Female/Male	Normal range	Multi center, 1994
EDB	Concentric	Duration (indiv.) [ms]			Female/Male	Normal range	Multi center, 1994
EDB	Concentric	Area (indiv.) [uVms]			Female/Male	Normal range	Multi center, 1994
EDB	Concentric	Amplitude (mean) [uV]			Female/Male	Mean/SD	Multi center, 1994
EDB	Concentric	Duration (mean) [ms]			Female/Male	Mean/SD	Multi center, 1994
EDB	Concentric	Area (mean) [uVms]			Female/Male	Mean/SD	Multi center, 1994
EDB	Concentric	Phases (mean) [#]			Female/Male	Mean/SD	Multi center, 1994
EDB	Concentric	Area/Amp (Thickness) (mean) [ms]			Female/Male	Mean/SD	Multi center, 1994
EDC	Concentric	Amplitude (indiv.) [uV]			Female/Male	Normal range	Multi center, 1994
EDC	Concentric	Duration (indiv.) [ms]			Female/Male	Normal range	Multi center, 1994
EDC	Concentric	Area (indiv.) [uVms]			Female/Male	Normal range	Multi center, 1994
EDC	Concentric	Amplitude (mean) [uV]			Female/Male	Mean/SD	Multi center, 1994
EDC	Concentric	Duration (mean) [ms]			Female/Male	Mean/SD	Multi center, 1994
EDC	Concentric	Area (mean) [uVms]			Female/Male	Mean/SD	Multi center, 1994
EDC	Concentric	Phases (mean) [#]			Female/Male	Mean/SD	Multi center, 1994
EDC	Concentric	Area/Amp (Thickness) (mean) [ms]			Female/Male	Mean/SD	Multi center, 1994

EIP	Concentric	Amplitude (indiv.) [uV]	Female/Male	Normal range	Multi center, 1994
EIP	Concentric	Duration (indiv.) [ms]	Female/Male	Normal range	Multi center, 1994
EIP	Concentric	Area (indiv.) [uVms]	Female/Male	Normal range	Multi center, 1994
EIP	Concentric	Amplitude (mean) [uV]	Female/Male	Mean/SD	Multi center, 1994
EIP	Concentric	Duration (mean) [ms]	Female/Male	Mean/SD	Multi center, 1994
EIP	Concentric	Area (mean) [uVms]	Female/Male	Mean/SD	Multi center, 1994
FCR	Concentric	Amplitude (indiv.) [uV]	Female/Male	Normal range	Multi center, 1994
FCR	Concentric	Duration (indiv.) [ms]	Female/Male	Normal range	Multi center, 1994
FCR	Concentric	Area (indiv.) [uVms]	Female/Male	Normal range	Multi center, 1994
FCR	Concentric	Amplitude (mean) [uV]	Female/Male	Mean/SD	Multi center, 1994
FCR	Concentric	Duration (mean) [ms]	Female/Male	Mean/SD	Multi center, 1994
FCR	Concentric	Area (mean) [uVms]	Female/Male	Mean/SD	Multi center, 1994
FCR	Concentric	Phases (mean) [#]	Female/Male	Mean/SD	Multi center, 1994
FCR	Concentric	Area/Amp (Thickness) (mean) [ms]	Female/Male	Mean/SD	Multi center, 1994
Frontalis	Facial	Amplitude (indiv.) [uV]	Female/Male	Normal range	Multi center, 1994
Frontalis	Facial	Duration (indiv.) [ms]	Female/Male	Normal range	Multi center, 1994
Frontalis	Facial	Area (indiv.) [uVms]	Female/Male	Normal range	Multi center, 1994
Frontalis	Facial	Amplitude (mean) [uV]	Female/Male	Mean/SD	Multi center, 1994
Frontalis	Facial	Duration (mean) [ms]	Female/Male	Mean/SD	Multi center, 1994
Frontalis	Facial	Area (mean) [uVms]	Female/Male	Mean/SD	Multi center, 1994
Frontalis	Facial	Phases (mean) [#]	Female/Male	Mean/SD	Multi center, 1994
Frontalis	Facial	Area/Amp (Thickness) (mean) [ms]	Female/Male	Mean/SD	Multi center, 1994
Medial Gastroc	Concentric	Amplitude (indiv.) [uV]	Female/Male	Normal range	Multi center, 1994
Medial Gastroc	Concentric	Duration (indiv.) [ms]	Female/Male	Normal range	Multi center, 1994
Medial Gastroc	Concentric	Area (indiv.) [uVms]	Female/Male	Normal range	Multi center, 1994
Medial Gastroc	Concentric	Amplitude (mean) [uV]	Female/Male	Mean/SD	Multi center, 1994
Medial Gastroc	Concentric	Duration (mean) [ms]	Female/Male	Mean/SD	Multi center, 1994
Medial Gastroc	Concentric	Area (mean) [uVms]	Female/Male	Mean/SD	Multi center, 1994
Medial Gastroc	Concentric	Phases (mean) [#]	Female/Male	Mean/SD	Multi center, 1994
Medial Gastroc	Concentric	Area/Amp (Thickness) (mean) [ms]	Female/Male	Mean/SD	Multi center, 1994
Gluteus medius	Concentric	Amplitude (indiv.) [uV]	Female/Male	Normal range	Multi center, 1994
Gluteus medius	Concentric	Duration (indiv.) [ms]	Female/Male	Normal range	Multi center, 1994
Gluteus medius	Concentric	Area (indiv.) [uVms]	Female/Male	Normal range	Multi center, 1994
Gluteus medius	Concentric	Amplitude (mean) [uV]	Female/Male	Mean/SD	Multi center, 1994
Gluteus medius	Concentric	Duration (mean) [ms]	Female/Male	Mean/SD	Multi center, 1994
Gluteus medius	Concentric	Area (mean) [uVms]	Female/Male	Mean/SD	Multi center, 1994
Gluteus medius	Concentric	Phases (mean) [#]	Female/Male	Mean/SD	Multi center, 1994
Gluteus medius	Concentric	Area/Amp (Thickness) (mean) [ms]	Female/Male	Mean/SD	Multi center, 1994
Infraspinatus	Concentric	Amplitude (indiv.) [uV]	Female/Male	Normal range	Multi center, 1994
Infraspinatus	Concentric	Duration (indiv.) [ms]	Female/Male	Normal range	Multi center, 1994
Infraspinatus	Concentric	Area (indiv.) [uVms]	Female/Male	Normal range	Multi center, 1994
Infraspinatus	Concentric	Amplitude (mean) [uV]	Female/Male	Mean/SD	Multi center, 1994
Infraspinatus	Concentric	Duration (mean) [ms]	Female/Male	Mean/SD	Multi center, 1994
Infraspinatus	Concentric	Area (mean) [uVms]	Female/Male	Mean/SD	Multi center, 1994
FDI	Concentric	Amplitude (indiv.) [uV]	Female/Male	Normal range	Multi center, 1994
FDI	Concentric	Duration (indiv.) [ms]	Female/Male	Normal range	Multi center, 1994
FDI	Concentric	Area (indiv.) [uVms]	Female/Male	Normal range	Multi center, 1994
FDI	Concentric	Amplitude (mean) [uV]	Female/Male	Mean/SD	Multi center, 1994

FDI	Concentric	Duration (mean) [ms]	Female/Male	Mean/SD	Multi center, 1994
FDI	Concentric	Area (mean) [uVms]	Female/Male	Mean/SD	Multi center, 1994
FDI	Concentric	Phases (mean) [#]	Female/Male	Mean/SD	Multi center, 1994
FDI	Concentric	Area/Amp (Thickness) (mean) [ms]	Female/Male	Mean/SD	Multi center, 1994
Orbicularis oris	Concentric	Amplitude (indiv.) [uV]	Female/Male	Normal range	Multi center, 1994
Orbicularis oris	Concentric	Duration (indiv.) [ms]	Female/Male	Normal range	Multi center, 1994
Orbicularis oris	Concentric	Area (indiv.) [uVms]	Female/Male	Normal range	Multi center, 1994
Orbicularis oris	Concentric	Amplitude (mean) [uV]	Female/Male	Mean/SD	Multi center, 1994
Orbicularis oris	Concentric	Duration (mean) [ms]	Female/Male	Mean/SD	Multi center, 1994
Orbicularis oris	Concentric	Area (mean) [uVms]	Female/Male	Mean/SD	Multi center, 1994
Paraspinal L5	Concentric	Amplitude (indiv.) [uV]	Female/Male	Normal range	Multi center, 1994
Paraspinal L5	Concentric	Duration (indiv.) [ms]	Female/Male	Normal range	Multi center, 1994
Paraspinal L5	Concentric	Area (indiv.) [uVms]	Female/Male	Normal range	Multi center, 1994
Paraspinal L5	Concentric	Amplitude (mean) [uV]	Female/Male	Mean/SD	Multi center, 1994
Paraspinal L5	Concentric	Duration (mean) [ms]	Female/Male	Mean/SD	Multi center, 1994
Paraspinal L5	Concentric	Area (mean) [uVms]	Female/Male	Mean/SD	Multi center, 1994
Paraspinal L5	Concentric	Phases (mean) [#]	Female/Male	Mean/SD	Multi center, 1994
Paraspinal L5	Concentric	Area/Amp (Thickness) (mean) [ms]	Female/Male	Mean/SD	Multi center, 1994
Sphincter ani	Concentric	Amplitude (indiv.) [uV]	Female/Male	Normal range	Multi center, 1994
Sphincter ani	Concentric	Duration (indiv.) [ms]	Female/Male	Normal range	Multi center, 1994
Sphincter ani	Concentric	Area (indiv.) [uVms]	Female/Male	Normal range	Multi center, 1994
Sphincter ani	Concentric	Amplitude (mean) [uV]	Female/Male	Mean/SD	Multi center, 1994
Sphincter ani	Concentric	Duration (mean) [ms]	Female/Male	Mean/SD	Multi center, 1994
Sphincter ani	Concentric	Area (mean) [uVms]	Female/Male	Mean/SD	Multi center, 1994
Sphincter ani	Concentric	Phases (mean) [#]	Female/Male	Mean/SD	Multi center, 1994
Sphincter ani	Concentric	Area/Amp (Thickness) (mean) [ms]	Female/Male	Mean/SD	Multi center, 1994
Splenius capitis	Concentric	Amplitude (indiv.) [uV]	Female/Male	Normal range	Multi center, 1994
Splenius capitis	Concentric	Duration (indiv.) [ms]	Female/Male	Normal range	Multi center, 1994
Splenius capitis	Concentric	Area (indiv.) [uVms]	Female/Male	Normal range	Multi center, 1994
Splenius capitis	Concentric	Amplitude (mean) [uV]	Female/Male	Mean/SD	Multi center, 1994
Splenius capitis	Concentric	Duration (mean) [ms]	Female/Male	Mean/SD	Multi center, 1994
Splenius capitis	Concentric	Area (mean) [uVms]	Female/Male	Mean/SD	Multi center, 1994
AT	Concentric	Amplitude (indiv.) [uV]	Female/Male	Normal range	Multi center, 1994
AT	Concentric	Duration (indiv.) [ms]	Female/Male	Normal range	Multi center, 1994
AT	Concentric	Area (indiv.) [uVms]	Female/Male	Normal range	Multi center, 1994
AT	Concentric	Amplitude (mean) [uV]	Female/Male	Mean/SD	Multi center, 1994
AT	Concentric	Duration (mean) [ms]	Female/Male	Mean/SD	Multi center, 1994
AT	Concentric	Area (mean) [uVms]	Female/Male	Mean/SD	Multi center, 1994
AT	Concentric	Phases (mean) [#]	Female/Male	Mean/SD	Multi center, 1994
AT	Concentric	Area/Amp (Thickness) (mean) [ms]	Female/Male	Mean/SD	Multi center, 1994
Trapezius	Concentric	Amplitude (indiv.) [uV]	Female/Male	Normal range	Multi center, 1994
Trapezius	Concentric	Duration (indiv.) [ms]	Female/Male	Normal range	Multi center, 1994
Trapezius	Concentric	Area (indiv.) [uVms]	Female/Male	Normal range	Multi center, 1994
Trapezius	Concentric	Amplitude (mean) [uV]	Female/Male	Mean/SD	Multi center, 1994
Trapezius	Concentric	Duration (mean) [ms]	Female/Male	Mean/SD	Multi center, 1994
Trapezius	Concentric	Area (mean) [uVms]	Female/Male	Mean/SD	Multi center, 1994
Trapezius	Concentric	Phases (mean) [#]	Female/Male	Mean/SD	Multi center, 1994
Trapezius	Concentric	Area/Amp (Thickness) (mean) [ms]	Female/Male	Mean/SD	Multi center, 1994

Triceps	Concentric	Amplitude (indiv.) [uV]	Female/Male	Normal range	Multi center, 1994
Triceps	Concentric	Duration (indiv.) [ms]	Female/Male	Normal range	Multi center, 1994
Triceps	Concentric	Area (indiv.) [uVms]	Female/Male	Normal range	Multi center, 1994
Triceps	Concentric	Amplitude (mean) [uV]	Female/Male	Mean/SD	Multi center, 1994
Triceps	Concentric	Duration (mean) [ms]	Female/Male	Mean/SD	Multi center, 1994
Triceps	Concentric	Area (mean) [uVms]	Female/Male	Mean/SD	Multi center, 1994
Triceps	Concentric	Phases (mean) [#]	Female/Male	Mean/SD	Multi center, 1994
Triceps	Concentric	Area/Amp (Thickness) (mean) [ms]	Female/Male	Mean/SD	Multi center, 1994
Vastus lateralis	Concentric	Amplitude (indiv.) [uV]	Female/Male	Normal range	Multi center, 1994
Vastus lateralis	Concentric	Duration (indiv.) [ms]	Female/Male	Normal range	Multi center, 1994
Vastus lateralis	Concentric	Area (indiv.) [uVms]	Female/Male	Normal range	Multi center, 1994
Vastus lateralis	Concentric	Amplitude (mean) [uV]	Female/Male	Mean/SD	Multi center, 1994
Vastus lateralis	Concentric	Duration (mean) [ms]	Female/Male	Mean/SD	Multi center, 1994
Vastus lateralis	Concentric	Area (mean) [uVms]	Female/Male	Mean/SD	Multi center, 1994
Vastus lateralis	Concentric	Phases (mean) [#]	Female/Male	Mean/SD	Multi center, 1994
Vastus lateralis	Concentric	Area/Amp (Thickness) (mean) [ms]	Female/Male	Mean/SD	Multi center, 1994

## Normal Reference Limits - RNS

Muscle	Parameter	From Age	To Age	Gender	Ref.Type	Source
ADM	Amplitude Decrement [%]			Female/Male	Normal range	Uppsala
ADM	Area Decrement [%]			Female/Male	Normal range	Uppsala
Anconeus	Amplitude Decrement [%]			Female/Male	Normal range	Uppsala
Anconeus	Area Decrement [%]			Female/Male	Normal range	Uppsala
Deltoid (post)	Amplitude Decrement [%]			Female/Male	Normal range	Uppsala
Deltoid (post)	Area Decrement [%]			Female/Male	Normal range	Uppsala
EDB	Amplitude Decrement [%]			Female/Male	Normal range	Uppsala
EDB	Area Decrement [%]			Female/Male	Normal range	Uppsala
Frontalis	Amplitude Decrement [%]			Female/Male	Normal range	Uppsala
Frontalis	Area Decrement [%]			Female/Male	Normal range	Uppsala
Nasalis	Amplitude Decrement [%]			Female/Male	Normal range	Uppsala
Nasalis	Area Decrement [%]			Female/Male	Normal range	Uppsala
Trapezius	Amplitude Decrement [%]			Female/Male	Normal range	Uppsala
Trapezius	Area Decrement [%]			Female/Male	Normal range	Uppsala
Orbicularis oculi	Amplitude Decrement [%]			Female/Male	Normal range	Uppsala
Orbicularis oculi	Area Decrement [%]			Female/Male	Normal range	Uppsala

## Normal Reference Limits - SEP Lat [ms]

Test	StimPos	Rec (Left/Right stim)	Marker	From Age	To Age	Gender	Ref.Type	Source
Median	Wrist	C4'-Fz/C3'-Fz	N20			Female/Male	Mean/SD	Ganes, 1980
Median	Wrist	C2(root)-Fz	N13			Female/Male	Mean/SD	Ganes, 1980
Median	Wrist	C7(root)-Fz	N13			Female/Male	Mean/SD	Ganes, 1980
Median	Wrist	Erb-Fz	N9			Female/Male	Mean/SD	Ganes, 1980
Ulnar	Wrist	C4'-Fz/C3'-Fz	N20			Female/Male	Mean/SD	Ganes, 1980
Ulnar	Wrist	C2(root)-Fz	N13			Female/Male	Mean/SD	Ganes, 1980
Ulnar	Wrist	C7(root)-Fz	N13			Female/Male	Mean/SD	Ganes, 1980
Ulnar	Wrist	Erb-Fz	N9			Female/Male	Mean/SD	Ganes, 1980
C5	Upper arm	C4-Fz/C3-Fz	N20			Female/Male	Mean/SD	Eisen, 1978

C6	Dig I	C4'-Fz/C3'-Fz	N20			Female/Male	Mean/SD	Eisen, 1978
C7	Dig III	C4'-Fz/C3'-Fz	N20			Female/Male	Mean/SD	Eisen, 1978
C8	Dig V	C4'-Fz/C3'-Fz	N20			Female/Male	Mean/SD	Eisen, 1978
Trigeminal	Corner of mouth	C6'-Fpz/C5'-Fpz	P1			Female/Male	Mean/SD	Uppsala
Tibial	Ankle	Cz-Fz	P40			Female/Male	Mean/SD	Uppsala
Tibial	Ankle	C3'-C4'/C4'-C3'	P40			Female/Male	Mean/SD	Uppsala
Tibial	Ankle	T12-Hip	N25			Female/Male	Mean/SD	Uppsala
Tibial	Ankle	Pop fossa	N8			Female/Male	Mean/SD	Uppsala
L3 Lat femoral cut	Lat. thigh	Cz-Fz	P40			Female/Male	Mean/SD	Uppsala
L4 Saphenous	Bel.Knee	Cz-Fz	P40			Female/Male	Mean/SD	Uppsala
L5 Superficial Peroneal	Leg	Cz-Fz	P40			Female/Male	Mean/SD	Eisen, 1978
S1 Sural	Ankle	Cz-Fz	P40			Female/Male	Mean/SD	Eisen, 1978

### Normal Reference Limits - SEP Lat Diff [ms]

Test	StimPos	Rec1	Marker1	Rec2	Marker2	Gender	Ref.Type	Source
Median	Wrist	C4'-Fz/C3'-Fz	N20	C7(root)-Fz	N13	Female/Male	Mean/SD	Ganes, 1980
Median	Wrist	C7-Fz	N13	Erb-Fz	N9	Female/Male	Mean/SD	Ganes, 1980
Ulnar	Wrist	C4'-Fz/C3'-Fz	N20	C7(root)-Fz	N13	Female/Male	Mean/SD	Ganes, 1980
Ulnar	Wrist	C7-Fz	N13	Erb-Fz	N9	Female/Male	Mean/SD	Ganes, 1980
Tibial	Ankle	Cz-Fz	P40	T12-Hip	N25	Female/Male	Mean/SD	Uppsala

### Normal Reference Limits - VEP Lat [ms]

Test	StimPos	Rec	Marker	Gender	Ref.Type	Source
FullField12x16		LO-Fz	P100	Male	Mean/SD	Uppsala
FullField12x16		MO-Fz	P100	Male	Mean/SD	Uppsala
FullField12x16		MP-Fz	P100	Male	Mean/SD	Uppsala
FullField12x16		RO-Fz	P100	Male	Mean/SD	Uppsala
FullField12x16		LO-Fz	P100	Female	Mean/SD	Uppsala
FullField12x16		MO-Fz	P100	Female	Mean/SD	Uppsala
FullField12x16		MP-Fz	P100	Female	Mean/SD	Uppsala
FullField12x16		RO-Fz	P100	Female	Mean/SD	Uppsala

### Normal Reference Limits - BAEP Lat [ms]

Test	StimPos	Rec	Marker	Gender	Ref.Type	Source
Cz 10Hz		A1-Cz/A2-Cz	I	Female/Male	Mean/SD	Chiappa et al
Cz 10Hz		A1-Cz/A2-Cz	II	Female/Male	Mean/SD	Chiappa et al
Cz 10Hz		A1-Cz/A2-Cz	III	Female/Male	Mean/SD	Chiappa et al
Cz 10Hz		A1-Cz/A2-Cz	IV	Female/Male	Mean/SD	Chiappa et al
Cz 10Hz		A1-Cz/A2-Cz	V	Female/Male	Mean/SD	Chiappa et al
Fz 10Hz		A1-Fz/A2-Fz	I	Female/Male	Mean/SD	Chiappa et al
Fz 10Hz		A1-Fz/A2-Fz	II	Female/Male	Mean/SD	Chiappa et al
Fz 10Hz		A1-Fz/A2-Fz	III	Female/Male	Mean/SD	Chiappa et al
Fz 10Hz		A1-Fz/A2-Fz	IV	Female/Male	Mean/SD	Chiappa et al
Fz 10Hz		A1-Fz/A2-Fz	V	Female/Male	Mean/SD	Chiappa et al

### Normal Reference Limits - BAEP Lat Diff [ms]

Test	StimPos	Rec1	Marker1	Rec2	Marker2	Gender	Ref.Type	Source
Cz 10Hz		A1-Cz/A2-Cz	III	A1-Cz/A2-Cz	I	Female/Male	Fixed Limit	Chiappa et al
Cz 10Hz		A1-Cz/A2-Cz	V	A1-Cz/A2-Cz	III	Female/Male	Fixed Limit	Chiappa et al
Cz 10Hz		A1-Cz/A2-Cz	V	A1-Cz/A2-Cz	I	Female/Male	Fixed Limit	Chiappa et al
Fz 10Hz		A1-Fz/A2-Fz	III	A1-Fz/A2-Fz	I	Female/Male	Fixed Limit	Chiappa et al
Fz 10Hz		A1-Fz/A2-Fz	V	A1-Fz/A2-Fz	III	Female/Male	Fixed Limit	Chiappa et al
Fz 10Hz		A1-Fz/A2-Fz	V	A1-Fz/A2-Fz	I	Female/Male	Fixed Limit	Chiappa et al

## Normal Reference Limits - Turns/Amplitude

Muscle	Electrode	Parameter	From Age	To Age	Gender	Ref.Type	Source
Biceps	Concentric	Turns/Amplitude [-]		60	Female	TA Cloud	Uppsala, 1983/2014
Biceps	Concentric	Turns/Amplitude [-]		60	Male	TA Cloud	Uppsala, 1983/2014
Biceps	Concentric	Turns/Amplitude [-]	60		Female	TA Cloud	Uppsala, 1983/2014
Biceps	Concentric	Turns/Amplitude [-]	60		Male	TA Cloud	Uppsala, 1983/2014
EDC	Concentric	Turns/Amplitude [-]		60	Female	TA Cloud	Uppsala, 1983/2014
EDC	Concentric	Turns/Amplitude [-]		60	Male	TA Cloud	Uppsala, 1983/2014
EDC	Concentric	Turns/Amplitude [-]	60		Female	TA Cloud	Uppsala, 1983/2014
EDC	Concentric	Turns/Amplitude [-]	60		Male	TA Cloud	Uppsala, 1983/2014
Vastus lateralis	Concentric	Turns/Amplitude [-]		60	Female	TA Cloud	Uppsala, 1983/2014
Vastus lateralis	Concentric	Turns/Amplitude [-]		60	Male	TA Cloud	Uppsala, 1983/2014
Vastus lateralis	Concentric	Turns/Amplitude [-]	60		Female	TA Cloud	Uppsala, 1983/2014
Vastus lateralis	Concentric	Turns/Amplitude [-]	60		Male	TA Cloud	Uppsala, 1983/2014
AT	Concentric	Turns/Amplitude [-]		60	Female	TA Cloud	Uppsala, 1983/2014
AT	Concentric	Turns/Amplitude [-]		60	Male	TA Cloud	Uppsala, 1983/2014
AT	Concentric	Turns/Amplitude [-]	60		Female	TA Cloud	Uppsala, 1983/2014
AT	Concentric	Turns/Amplitude [-]	60		Male	TA Cloud	Uppsala, 1983/2014
Deltoid (post)	Concentric	Turns/Amplitude [-]	25	75	Female/Male	TA Cloud	Uppsala, 1983/2014
FDI	Concentric	Turns/Amplitude [-]	25	75	Female/Male	TA Cloud	Uppsala, 1983/2014
Medial Gastroc	Concentric	Turns/Amplitude [-]		60	Female/Male	TA Cloud	Toledo 1998
Biceps	Monopolar	Turns/Amplitude [-]		60	Female	TA Cloud	Uppsala, 1983/2014
Biceps	Monopolar	Turns/Amplitude [-]		60	Male	TA Cloud	Uppsala, 1983/2014
Biceps	Monopolar	Turns/Amplitude [-]	60		Female	TA Cloud	Uppsala, 1983/2014
Biceps	Monopolar	Turns/Amplitude [-]	60		Male	TA Cloud	Uppsala, 1983/2014
EDC	Monopolar	Turns/Amplitude [-]		60	Female	TA Cloud	Uppsala, 1983/2014
EDC	Monopolar	Turns/Amplitude [-]		60	Male	TA Cloud	Uppsala, 1983/2014
EDC	Monopolar	Turns/Amplitude [-]	60		Female	TA Cloud	Uppsala, 1983/2014
EDC	Monopolar	Turns/Amplitude [-]	60		Male	TA Cloud	Uppsala, 1983/2014
Vastus lateralis	Monopolar	Turns/Amplitude [-]		60	Female	TA Cloud	Uppsala, 1983/2014
Vastus lateralis	Monopolar	Turns/Amplitude [-]		60	Male	TA Cloud	Uppsala, 1983/2014
Vastus lateralis	Monopolar	Turns/Amplitude [-]	60		Female	TA Cloud	Uppsala, 1983/2014
Vastus lateralis	Monopolar	Turns/Amplitude [-]	60		Male	TA Cloud	Uppsala, 1983/2014
AT	Monopolar	Turns/Amplitude [-]		60	Female	TA Cloud	Uppsala, 1983/2014
AT	Monopolar	Turns/Amplitude [-]		60	Male	TA Cloud	Uppsala, 1983/2014
AT	Monopolar	Turns/Amplitude [-]	60		Female	TA Cloud	Uppsala, 1983/2014
AT	Monopolar	Turns/Amplitude [-]	60		Male	TA Cloud	Uppsala, 1983/2014

## Normal Reference Limits - Voluntary SFEMG















Soleus	SFEMG	FD (mean) [#]	25	35 Female/Male	Fixed Limit	Multi center, Gilchrist, AAEM-94
Soleus	SFEMG	FD (mean) [#]	35	45 Female/Male	Fixed Limit	Multi center, Gilchrist, AAEM-94
Soleus	SFEMG	FD (mean) [#]	45	55 Female/Male	Fixed Limit	Multi center, Gilchrist, AAEM-94
Soleus	SFEMG	FD (mean) [#]	55	65 Female/Male	Fixed Limit	Multi center, Gilchrist, AAEM-94
Soleus	SFEMG	FD (mean) [#]	65	75 Female/Male	Fixed Limit	Multi center, Gilchrist, AAEM-94
Soleus	SFEMG	FD (mean) [#]	75	85 Female/Male	Fixed Limit	Multi center, Gilchrist, AAEM-94

## Normal Reference Limits - Stimulated SFEMG

Muscle	Electrode	Parameter	From Age	To Age	Gender	Ref.Type	Source
Deltoid (post)	SFEMG	MCD (indiv.) [us]			Female/Male	Fixed Limit	Stålberg, Trontelj, Sanders 2013
Deltoid (post)	SFEMG	MCD (mean) [us]			Female/Male	Fixed Limit	Stålberg, Trontelj, Sanders 2013
Sternocleidomast	SFEMG	MCD (indiv.) [us]			Female/Male	Fixed Limit	Stålberg, Trontelj, Sanders 2013
Sternocleidomast	SFEMG	MCD (mean) [us]			Female/Male	Fixed Limit	Stålberg, Trontelj, Sanders 2013
Orbicularis oculi	SFEMG	MCD (indiv.) [us]			Female/Male	Fixed Limit	Stålberg, Trontelj, Sanders 2013
Orbicularis oculi	SFEMG	MCD (mean) [us]			Female/Male	Fixed Limit	Stålberg, Trontelj, Sanders 2013
Frontalis	SFEMG	MCD (indiv.) [us]			Female/Male	Fixed Limit	Stålberg, Trontelj, Sanders 2013
Frontalis	SFEMG	MCD (mean) [us]			Female/Male	Fixed Limit	Stålberg, Trontelj, Sanders 2013
EDC	SFEMG	MCD (indiv.) [us]			Female/Male	Fixed Limit	Stålberg, Trontelj, Sanders 2013
EDC	SFEMG	MCD (mean) [us]			Female/Male	Fixed Limit	Stålberg, Trontelj, Sanders 2013

## Normal Reference Limits - Macro EMG

Muscle	Electrode	Parameter	From Age	To Age	Gender	Ref.Type	Source
Biceps	Macro EMG	Amplitude (median) [uV]	10	20	Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
Biceps	Macro EMG	Amplitude (median) [uV]	20	30	Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
Biceps	Macro EMG	Amplitude (median) [uV]	30	40	Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
Biceps	Macro EMG	Amplitude (median) [uV]	40	50	Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
Biceps	Macro EMG	Amplitude (median) [uV]	50	60	Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
Biceps	Macro EMG	Amplitude (median) [uV]	60	70	Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
Biceps	Macro EMG	Amplitude (median) [uV]	70	80	Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
Biceps	Macro EMG	Amplitude (indiv.) [uV]	10	20	Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
Biceps	Macro EMG	Amplitude (indiv.) [uV]	20	30	Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
Biceps	Macro EMG	Amplitude (indiv.) [uV]	30	40	Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
Biceps	Macro EMG	Amplitude (indiv.) [uV]	40	50	Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
Biceps	Macro EMG	Amplitude (indiv.) [uV]	50	60	Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
Biceps	Macro EMG	Amplitude (indiv.) [uV]	60	70	Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
Biceps	Macro EMG	Amplitude (indiv.) [uV]	70	80	Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
Vastus lateralis	Macro EMG	Amplitude (median) [uV]	10	20	Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
Vastus lateralis	Macro EMG	Amplitude (median) [uV]	20	30	Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
Vastus lateralis	Macro EMG	Amplitude (median) [uV]	30	40	Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
Vastus lateralis	Macro EMG	Amplitude (median) [uV]	40	50	Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
Vastus lateralis	Macro EMG	Amplitude (median) [uV]	50	60	Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
Vastus lateralis	Macro EMG	Amplitude (median) [uV]	60	70	Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
Vastus lateralis	Macro EMG	Amplitude (median) [uV]	70	80	Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
Vastus lateralis	Macro EMG	Amplitude (indiv.) [uV]	10	20	Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
Vastus lateralis	Macro EMG	Amplitude (indiv.) [uV]	20	30	Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
Vastus lateralis	Macro EMG	Amplitude (indiv.) [uV]	30	40	Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
Vastus lateralis	Macro EMG	Amplitude (indiv.) [uV]	40	50	Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980

Vastus lateralis	Macro EMG	Amplitude (indiv.) [uV]	50	60 Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
Vastus lateralis	Macro EMG	Amplitude (indiv.) [uV]	60	70 Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
Vastus lateralis	Macro EMG	Amplitude (indiv.) [uV]	70	80 Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
AT	Macro EMG	Amplitude (median) [uV]	10	20 Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
AT	Macro EMG	Amplitude (median) [uV]	20	30 Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
AT	Macro EMG	Amplitude (median) [uV]	30	40 Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
AT	Macro EMG	Amplitude (median) [uV]	40	50 Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
AT	Macro EMG	Amplitude (median) [uV]	50	60 Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
AT	Macro EMG	Amplitude (median) [uV]	60	70 Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
AT	Macro EMG	Amplitude (median) [uV]	70	80 Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
AT	Macro EMG	Amplitude (indiv.) [uV]	10	20 Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
AT	Macro EMG	Amplitude (indiv.) [uV]	20	30 Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
AT	Macro EMG	Amplitude (indiv.) [uV]	30	40 Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
AT	Macro EMG	Amplitude (indiv.) [uV]	40	50 Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
AT	Macro EMG	Amplitude (indiv.) [uV]	50	60 Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
AT	Macro EMG	Amplitude (indiv.) [uV]	60	70 Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980
AT	Macro EMG	Amplitude (indiv.) [uV]	70	80 Female/Male	Normal range	Uppsala (Stålberg, Fawcett), 1980

## RefLimitsRR

Parameter	From Age	To Age	Gender	Ref.Type	Source
RR Ratio - Rest [%]			Female/Male	Mean/SD	Uppsala (Stålberg, Nogues), 1989
RR Ratio - Deep breathing [%]			Female/Male	Mean/SD	Uppsala (Stålberg, Nogues), 1989
RR Ratio - Valsalva [%]			Female/Male	Normal range	Uppsala (Stålberg, Nogues), 1989
RR Ratio - Standup [%]			Female/Male	Fixed Limit	Uppsala (Stålberg, Nogues), 1989

## RefLimitsBlinkReflex

Nerve	Stim	Rec	Parameter	From Age	To Age	Gender	Ref.Type	Source
Trig supraorbital	Supraorb	Orb oris	R1 latency [ms] KPNNet: R1 Latency ipsilateral (1)			Female/Male	Mean/SD	Kimura, 1975
Trig supraorbital	Supraorb	Orb oris	R1 latency - stim - side diff [ms] KPNNet: R1 leftstim - R1 rightstim (5)			Female/Male	Mean/SD	Kimura, 1975
Trig supraorbital	Supraorb	Orb oris	R2 latency - stim side [ms] KPNNet: R2 Latency ipsilateral (2)			Female/Male	Mean/SD	Kimura, 1975
Trig supraorbital	Supraorb	Orb oris	R2 latency - side diff [ms] KPNNet: R2 ipsilat - R2 contralat (4)			Female/Male	Mean/SD	Kimura, 1975
Trig supraorbital	Supraorb	Orb oris	R2 latency - contralateral [ms] KPNNet: R2 Latency contralateral (3)			Female/Male	Mean/SD	Kimura, 1975
Trig supraorbital	Supraorb	Orb oris	R2 latency - contralateral - side diff [ms] KPNNet: Not used. Only R2 ipsi Left - R2 ipsi right available.			Female/Male	Mean/SD	Kimura, 1975