

KEYPOINT® *Focus* EMG/NCS/EP System



Dantec Keypoint Focus is the next generation EMG system - delivering the quality and results you expect, at an economical price.

Its new compact design and intuitive, powerful functionality make the Dantec Keypoint Focus EMG system ideal for space conscious professionals in hospitals and private offices.

Increased performance of amplifiers and stimulators

Keypoint.NET version software now with tremor analysis

Microsoft Windows® 7

All-in-One EMG system with dedicated controls, integrated stimulators and high quality audio



HANDLE DIFFICULT CASES MORE QUICKLY AND EFFICIENTLY

- Protocol-based testing
- Broad range of powerful analysis tools
- Automatic comparison with normative data
- The only system available with a complete MUP normative database
- Fast, automatic report generation

DESIGN AN EMG SYSTEM THAT'S PERFECT FOR YOU

- Select the configuration that works for you - portable notebook systems to fully featured workstations
- Purchase only the applications you need
- Completely control all measurements, data tables/calculations and displays
- Create customized reports

IT-FRIENDLY FEATURES

- Microsoft SQL database
- Automated study data back-up/archiving functionality
- Complete Active Directory Services
- GDT/HL7 connectivity

The all-new Dantec Keypoint Focus EMG system is based on nearly 50 years of experience in EMG system design. Quality, accuracy, and dependability - what you have come to expect from the Dantec brand.

OUTSTANDING RECORDING PERFORMANCE

Industry-leading amplifiers and stimulators feature outstanding signal quality and reliability.

Choose 3, 6 or 8 channel system with dedicated inputs for EMG, NCS and EP recordings using either needle electrodes or surface electrodes.



- High CMRR and Signal-to-Noise ratio for consistent recordings
- Software controlled interconnection of reference inputs
- Electrode impedance measurement with LED feedback

VERSATILE EMG/NCS/EP SOFTWARE

Growing exam volume, Larger data sets per exam, Less time... in today’s medical diagnostic environment, the clinical practitioner is confronted with an overwhelming amount of data for interactive analysis. Dantec Keypoint.NET software is designed to meet this challenge with an exclusive suite of flexible, customizable features to improve quality-based performance. Keypoint.NET consists of a number of customizable test templates which supports the following applications.

Test Template	Applications
Motor Nerve Conduction	Motor NC Motor Nerve Inching Reflex studies Silent Period Motor Evoked Potentials TST (Triple-Stimulation Technique) Sympathetic Skin Response Collision studies Refractory Period
Sensory Nerve Conduction	Sensory NC, Near-nerve Sensory NC Mixed NC Sensory Nerve Inching Micro Neurography
F-Wave	F-Wave testing
H-Reflex	H-Reflex testing
Blink Reflex	Electrical stimulated Blink Reflex Mechanical stimulated Blink Reflex
R-R Analysis*	R-R analysis R-R valsalva test

Test Template	Applications
EMG	Free-running EMG Signal triggered EMG Multi-MUP analysis TA analysis Peak-ratio analysis EMG event recorder
Single Fiber EMG	Signal-triggered Single Fiber EMG Stimulated Single Fiber EMG
RNS	Decrement test
EMG Monitor	Multi channel EMG Tremor assessment
SEP	Upper Extremity SEP Lower Extremity SEP Dermatome EP
AEP	BAEP, OHL MLEP, LLEP P300 CNV
VEP	Pattern Reversal VEP Flash VEP, Flash ERG

* Not available in the U.S.

REPORTING

Microsoft® Word-based report generator featuring:

- User-defined report layout including hospital or clinic logo, text fields, table layout and waveform plots
- User-defined column selection in tables
- User-defined table layout
- User-defined nerve and muscle order in tables
- Combine motor, F-wave and sensory test results in one table
- Pre-defined text blocks for user-preferred standard text

STORE & RETRIEVE DATA EFFORTLESSLY

A secure and powerful Microsoft® SQL database, designed for easy file management enables automatic tracking and organization of patient recordings including:

- Patient and study related data
- Test results, settings and waveforms in full resolution
- Reference values
- Reports

NETWORKING

The Keypoint network capabilities were developed to support a wide range of installation sites while focusing on security and reliability. Adaptable to small clinics with no professional IT support, as well as large hospital installations with system access controlled by IT using Active Directory Services.

EMR INTEGRATION

The Keypoint database can be connected to an EMR system using HL7 or SOAP communication protocols. Interfacing with the hospital EMR system includes receiving patient demographic information and sending reports in either Microsoft® Word or XML format.

CONSUMABLES

Natus offers a complete line of quality needle and surface electrodes to complement the outstanding performance of the Dantec Keypoint family of EMG/NCS/EP systems.

Name: Doe, Jane

22-08-2009

EMG Laboratory

Neurological Institute
17800 Newhope Street
Fountain Valley, CA 92708
Tel: 714-839-8426 Fax: 714-839-8429

Name: Doe, Jane
Diagnosis:
Date of Birth: 07-04-1939
Physician: Michael Smith, MD
Ref. Physician: Grace Dickinson, MD

Date of Study: 22-08-2009
Sex: Female
Age: 70
Height: 163
Technician:

Reason for Study

This is a 70 years old patient who had a cerebrovascular accident in March 2008. She stated that she has been noticing some pain which radiates from the wrist into the hand and up into the elbow area. She fields that her whole hand is numb. She denied any actual trauma, but the right upper extremities were involved as a result of the cerebrovascular insult.

Findings:

Median motor studies revealed prolonged distal latencies and amplitudes bilaterally. Median F waves were prolonged. Ulnar motor studies revealed prolonged distal latencies, nerve conduction velocities and amplitudes bilaterally. Ulnar F waves were normal. Radial motor studies revealed normal distal latencies bilaterally. Median sensory studies revealed slowed distal latencies, severe on the right and left with normal amplitudes. Ulnar sensory studies revealed normal distal latencies and normal amplitudes. Radial sensory studies revealed normal distal latencies and normal amplitudes. Orthodromic painless comparison studies revealed median nerve slowing across the wrist bilaterally. Temperature was normal of the hand and forearm and found to be 32.0.

Conclusion

Abnormal study. Electrophysiologic evidence for median neuropathy at both the right wrist, sensory slowing and sensory amplitude loss and left wrist, moderate as evidenced by sensory asymmetrical comparison studies across the wrists. No electrophysiologic evidence for motor or polyneuropathy, ulnar neuropathy at the elbow, brachial plexopathy or cervical radiculopathy. Always indicated.

Michael Smith, M.D.

Name: Doe, Jane

2-08-2009

Motor Nerve Conduction Studies

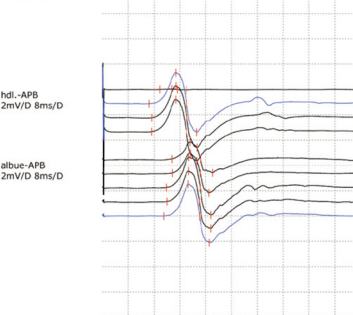
MNCs									
Nerve	Latency		Amplitude		Conduction Velocity			Shortest F Latency	
	Onset Lat. (ms)	Normal Latency	mV	Normal Amplitude	Distance	m/s	Normal CV	ms	Normal Latency F
Median Motor Left									
hdi. - APB	14.4	< 3.9	2.4		62.0			44.6	< 29.9
u.albue-hdi.	19.0		2.5		205	44.6	> 50.8		
Median Motor Right									
hdi. - APB	12.7	< 3.9	3.3		60.0			39.1	< 29.9
u.albue-hdi.	16.9		3.1		214	51.0	> 50.8		
Ulnar Motor Left									
hdi. - ADM	8.54	< 3.0	2.7		75.0			35.6	< 29.2
u.albue-hdi.	12.3		1.83		219	58.2	> 53.3		
o.albue-u.albue	15.8		1.01		118	33.7	> 43.0		
Erb-Axilla	20.9		1.00		172	55.5	> 53.9		
Axilla-o.albue	17.8		1.01		85.0	42.5	> 48.0		
Ulnar Motor Right									
hdi. - ADM	6.98	< 3.0	2.7		63.0			33.8	< 29.2
u.albue-hdi.	14.2		0.93		227	31.4	> 53.3		
o.albue-u.albue	15.7		0.86		92.0	61.3	> 43.0		
Erb-Axilla	22.6		0.70		179	38.9	> 53.9		
Axilla-o.albue	18.0		0.83		103	44.8	> 48.0		
Tibial Motor Left									
Med. mal - Abd hal	8.88	< 4.9	3.5		90.0			53.4	< 52.8

Sensory Nerve Conduction Studies

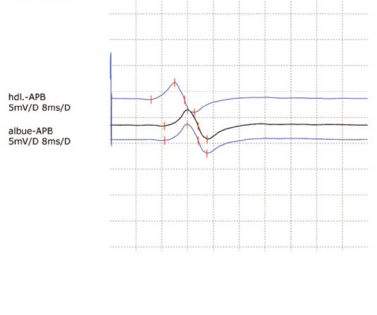
SNCS							
Nerve	Peak Latency		Amplitude		Conduction Velocity		
	Peak Lat. (ms)	Normal Peak Lat.	uV	Normal Amplitude	Distance	Conduction Velocity	Normal CV
Radial Sensory Left							
antebraçium - Tabatiere	1.79		38.2		102	57.0	

Motor Curves

Left Median



Right Median

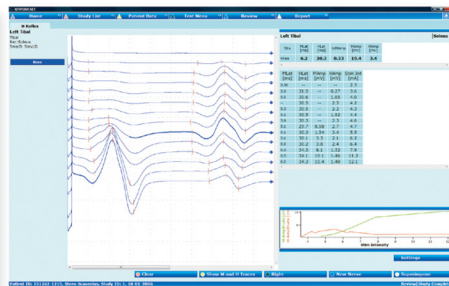


Versatile EMG/NCS/EP Software

natus
neurology



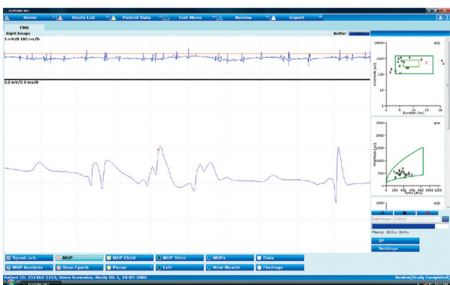
Multimodality NCS with reference values



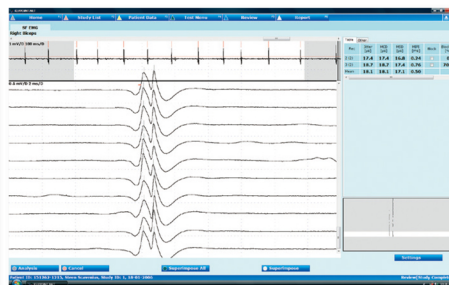
Advanced H Reflex



Advanced Decrement test



Multi-MUP with reference values



Peak-triggering SF-EMG



EP with reference values

Please consult www.natus.com for your local sales & service office.

natus

Natus Medical Incorporated
1501 Industrial Road
San Carlos, CA 94070 USA
Tel: +1 650 802 0400
Tel: +1 800 303 0306 (toll-free US/Canada)
Fax: +1 650 802 0401
www.natus.com

(주)한일메디피아

서울특별시 성북구 화랑로 219 (우남빌딩)
www.hanilmedipia.co.kr

TEL 02)467-3575 FAX 02)467-3574

natus
europe

Natus Europe GmbH
Bärnannstrasse 38
D-81245 Munich
Germany
Tel: +49 89 83942 0
Fax: +49 89 83942 186
www.natus.com

Manufactured by:
Alpine Biomed ApS
Tonsbakken 16-18
DK-2740 Skovlunde
Denmark
Tel: +45 4457 9000
Fax: +45 4457 9010

Disclosure: See product labeling for specific directions regarding product use, contraindications, warnings, precautions and potential adverse events.

Caution: Federal Law (USA) restricts this device to sale by or on the order of a physician.

P/N 007380A
©Natus Medical Incorporated 2011
All Rights Reserved

Keypoint is a registered trademark of Alpine Biomed in the US and other countries. Microsoft and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.