

**Xth Quantitative EMG Conference – Program**  
**Venice - 8th May 2009**

**NEW PERSPECTIVES ON NERVES FROM INSIDE AND OUTSIDE**

CHAIR PERSONS: G. COMI (Milan - ITALY) - P. FAWCETT (Newcastle upon Tyne - UNITED KINGDOM)

7.30-08.00	REGISTRATION	
08.00-08.20	OPENING AND WELCOME MESSAGES	
08.20-08.40	NERVE EXCITABILITY UPDATE	H. BOSTOCK
08.40-09.00	CONDUCTION BLOCK, PSEUDO CONDUCTION BLOCK AND PHYSIOLOGIC CONDUCTION BLOCK	A. UNCINI
09.20-09.40	HOW ULTRASOUNDS STUDIES COMPLEMENT NEUROGRAPHY	L. PADUA
09.40-10.00	CMAP SCANNING	J. BLOK
10.00-10.20	EXPERIENCE WITH TRIPLE STIMULATION TECHNIQUE: RESULTS AND INDICATION	M. MAGISTRIS
10.30-11.00	POSTER CORNER	
11.00-11.30	COFFEE BREAK AND POSTERS	

**FOCUSED COMMUNICATIONS**

CHAIR PERSONS: M. BROMBERG (Salt Lake City - USA) - M. ZWARTS (Nijmegen, THE NETHERLANDS)

11.30-11.45	MUNE USING INTERFERENCE EMG PATTERN AND CMAP	S. NANDEKAR
11.45-12.00	QUANTIFYING NERVE ULTRASOUND: WHAT SHOULD BE MEASURED?	F. WALKER
12.00-12.15	THE RECRUITMENT ORDER OF ELECTRICALLY ACTIVATED MOTOR NEURON INVESTIGATED WITH A NOVEL COLLISION TECHNIQUE	D. FARINA
12.15-12.30	MUSCLE ARCHITECTURE AND TENDON MECHANICAL PROPERTIES STUDIED IN VIVO BY ULTRASONOGRAPHY	N. REEVES

**MAIN LECTURE**

12.30-13.15	STATE OF THE ART IN USING CONCENTRIC NEEDLE ELECTRODE TO MEASURE JITTER DISCUSSANT : D. DE GRANDIS (Rome - ITALY)	E. STALBERG
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13.15-14.30 LUNCH

**BOTULINUM TOXINS**

CHAIR PERSONS: D. DRESSLER (Rostock - GERMANY) - R. RAVENNI (Rovigo - ITALY)

14.30-14.45	BOTULINUM TOXIN AND PAIN	V. TUGNOLI
14.45-15.00	CHEMODENERVATION FOR DYSTONIA	J. MASSEY
15.00-15.15	ELECTROMYOGRAPHY FOR PLANNING AND GUIDANCE OF BOTULINUM TOXIN THERAPY OF CERVICAL DYSTONIA	A. SUPUTTITADA
15.15-15.30	DIFFERENT TYPES OF BOTULINUM TOXIN IN HUMANS	R. ELEOPRA

15.30-16.30 COFFEE BREAK

**RESEARCH DEMONSTRATIONS - 1**

16.30-17.00	ULTRASOUNDS	C. MARTINOLI - L. PADUA
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**FREE COMMUNICATIONS**

CHAIR PERSONS: J. MASSEY (Durham - USA) - A. ROSTEDT-PUNGA (Uppsala - SWEDEN)

17.00 - 17.15	ANALYSIS OF AUTOMATIC MEASUREMENTS OF MOTOR UNIT ACTION POTENTIALS DURATION IN NORMAL AND PATHOLOGICAL SUBJECTS	R. IGNACIO
17.15 - 17.30	ULTRASOUND AS COMPLEMENT OF NEUROPHYSIOLOGY IN THE DIAGNOSIS OF ULNAR NEUROPATHY AT ELBOW	A. DI PASQUALE
17.30 - 17.45	CORRELATION BETWEEN SYMPTOMS AND NEUROPHYSIOLOGIC FINDINGS IN NEUROPATHIES	S. M. LAAKSONEN
17.45 - 18.00	CORRELATION BETWEEN ELECTROPHYSIOLOGICAL FINDINGS AND GENOTYPE IN HEREDITARY MOTOR SENSOR NEUROPATHY	A. KIMIYOSHI
18.00	END OF DAY ONE	
19.15	PRIVATE VISIT TO ST. MARK'S BASILICA	

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**NEW IDEAS ON MUSCLE STUDIES**

CHAIR PERSONS: J. ZIDAR (Ljubljana - SLOVENIA) – P. TONALI (Rome - ITALY)

08.20-08.40	MUNE AND HDEMG	J. VAN DIJK
08.40-09.00	ANALYSIS OF MOTOR UNITS WITH HIGH-DENSITY SURFACE ELECTROMYOGRAPHY: POSSIBILITIES AND LIMITATIONS	A. HOLOBAR - R. MERLETTI
09.00-09.20	MMG	C. ORIZIO
09.20-09.40	MYOSINOPATHIES - ALTERNATIVE METHODS TO STUDY DISEASE AFFECTING THE MOLECULAR MOTOR PROTEIN IN SKELETAL MUSCLE	L. LARSSON
09.40-10.15	POSTER CORNER	
10.15-11.15	COFFEE BREAK AND POSTER SESSION	

**FOCUSED COMUNICATIONS**

CHAIR PERSONS: J.M. FERNANDEZ (Vigo - SPAIN) - R. ELEOPRA (Mestre - Venice - ITALY)

11.15-11.30	EMG IN PTOSIS	A. LABARRE-VILA
11.30-11.45	QUANTITATIVE EMG OF PERINEAL MUSCLES	S. PODNAR
11.45-12.00	SCANNING EMG	J. NAVALLAS
12.00-12.15	MUSCLE CRAMPS	M.A. MINETTO

**MAIN LECTURE**

12.15-13.00	DECOMPOSITION OF THE SURFACE EMG SIGNAL: ACCURATE, AUTOMATIC AND UP TO MAXIMAL FORCE DISCUSSANT: J.F. JABRE (Boston - USA)	C.J. DE LUCA
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13.00-14.15 LUNCH

**LUNCH TIME WORKSHOP**

(Boehringer Ingelheim Italia)

13.00-14.15	PAIN, THE FIRST DIAGNOSTIC STEP IS IN NEUROPHYSIOLOGY. WHY DON'T WE TREAT PATIENTS? MECHANISM BASED TREATMENT FOR NEUROPATHIC PAIN. CLINICAL-NEUROPHYSIOLOGICAL CORRELATIONS SCREENING TOOLS FOR NEUROPATHIC PAIN EVIDENCES ON DRUGS IN DIABETIC PAINFUL NEUROPATHIES ROUND TABLE ON THE TREATMENT Box lunch will be provided to participants	A. TRUINI L. PADUA C. PAZZAGLIA
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**EVALUATION OF NEUROPATHIC PAIN**

CHAIR PERSONS: A. TRUINI (Rome - ITALY) - L. PADUA (Rome - ITALY)

14.15-14.30	MORPHOLOGICAL EVALUATION OF SKIN RECEPTORS	M. NOLANO
14.30-14.45	INTRAEPIDERMAL NERVE FIBRE DENSITIES, THERMAL PERCEPTION THRESHOLDS AND NERVE CONDUCTION STUDIES IN THE EVALUATION OF NEUROPATHY	S. LOSETH
14.45-15.00	MEASURING NEUROPATHIC PAIN	E. JORUM
15.00-15.15	CORRELATION BETWEEN NEUROPHYSIOLOGICAL PARAMETERS AND PATIENTS PERCEPTION OF PAIN	C. PAZZAGLIA
15.15-15.30	THE PAINFUL FOOT: SEGMENTAL ANALYSIS OF MOTOR CV IN DETECTING FOCAL LESIONS IN DISTAL TRACT OF TIBIAL NERVE	W. TRONI
15.30-16.15	COFFEE BREAK	

**DEMONSTRATIONS - 2**

16.15-16.45	LASER EVOKED POTENTIALS	A. TRUINI
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**FREE COMUNICATIONS**

S. PODNAR (Ljubljana - SLOVENIA) - R. MERLETTI (Turin - ITALY)

16.45-17.00	COMBINED USE OF MACRO EMG AND MUNE IN THE ASSESSMENT OF AMYOTROPHIC LATERAL SCLEROSIS PROGRESSION	F. SARTUCCI
17.00-17.15	TIME TO PERFORM VOLITIONAL CONCENTRIC NEEDLE SFEMG IS REDUCED USING A SEMI-AUTOMATED PROTOCOL	B. SMITH
17.15-17.30	SFEMG JITTER STUDIES USING A MONOPOLAR NEEDLE ELECTRODE: COMPARISON TO STANDARD SINGLE FIBRE NEEDLE ELECTRODE IN 31 CASES	M. C. GRAVES
17.30-17.45	SFEMG OF ORBICULARIS AND FRONTALIS MUSCLES IN MILD MYASTHENIA GRAVIS. A COMPARATIVE STUDY	Z.A. SIDDIQUI
18.00	END OF DAY TWO	
20.00	CONFERENCE DINNER AT THE HOTEL MONACO & GRAND CANAL	

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NEURO-MUSCULAR TRANSMISSION

CHAIR PERSONS: P. GIRLANDA (Messina - ITALY) - J.F. JABRE (Boston - USA)

08.20-08.40	NEUROMUSCULAR TRANSMISSION AND NEUROTOXINS: NEW IMPLICATIONS	C. MONTECUCCO
08.40-09.00	PHYSIOLOGICAL AND MOLECULAR ASPECTS OF THE NEUROMUSCULAR JUNCTION AND SYNAPTIC TRANSMISSION	J. HOWARD
09.00-09.20	STIMULATION SFEMG IN THE DIAGNOSIS OF THE CONGENITAL MYASTHENIC SYNDROMES	M. PITT
09.20-09.40	STATE OF MUSK ART	D. B. SANDERS
09.40-10.00	UNUSUAL TECHNIQUES IN THE EVALUATION OF MUSCLE ACTIVITY	R. RAVENNI
10.00-11.00	POSTER CORNER	

FOCUSED COMMUNICATIONS

CHAIR PERSONS: D.F. STEGEMAN (Nijmegen, THE NETHERLANDS) - C. MONTECUCCO (Padua - ITALY)

11.00-11.15	RNS IN RECESSIVE CONGENITAL MYOTONIA: GENOTYPE-PHENOTYPE CORRELATIONS	M. LO MONACO
11.15-11.30	ANODAL SUBMAXIMAL STIMULATION	I. APRILE
11.30-11.45	NOVEL ASPECTS OF ACETYLCHOLINESTERASE INHIBITORS: TO BE OR NOT TO BE IN MG?	A. ROSTEDT PUNGA
11.45-12.00	USEFULNESS OF SURFACE EMG TO DIAGNOSE PARKINSON'S DISEASE: A CHIMERA?	P. CALIANDRO
12.00-13.00	BRUNCH AND POSTER SESSION	

MAIN LECTURE  
ORIGIN OF MUSCLE CRAMPS

DISCUSSANT: E. STALBERG (Uppsala - SWEDEN)

D. DE GRANDIS

NEUROPHYSIOLOGIC GUIDELINES

CHAIR PERSONS: F. PALADIN (Venice - ITALY) - J. TRONTELJ (Ljubljana - SLOVENIA)

13.45-14.00	NORMAL VALUES	J.F. JABRE
14.00-14.15	STRATEGIES IN DIAGNOSTIC EMG STUDIES	B. FALCK
14.15-14.30	NEW GUIDELINES FOR ALS	M. DE CARVALHO
14.30-14.45	GUIDELINES FOR PATHOPHYSIOLOGICAL CLASSIFICATION OF POLYNEUROPATHIES	A. FUGLSANG-FREDERIKSEN
14.45-15.00	GUIDELINES FOR CIDP	D.S. SAPERSTAIN

15.15

FINAL REMARKS  
D. DE GRANDIS - L. PADUA