

international symposium on
neurorehabilitation from basics to future



October 15th-16th, 2009. Valencia, Spain.

ORAL PRESENTATIONS

Assessment

1	MEDICOLEGAL COMPLEXITIES AND CONFLICTS IN TBI DISABILITY EVALUATION Dr Gita Handa <i>Associate Professor, Department of Physical Medicine and Rehabilitation, All India Institute of Medical Sciences, New Delhi - 110029</i>
2	ASSESSMENT OF INAPPROPRIATE SEXUAL BEHAVIOUR FOLLOWING NEUROLOGICAL IMPAIRMENT: AN INTRODUCTION TO THE SASBA <u>Louise Birkett-Swan</u> , Caroline Knight, Nick Alderman <i>Kemsley, St Andrew's Healthcare, Billing Road, Northampton, NN1 5DG, UK</i>

Basics

3	PROGNOSTIC FACTORS OF 6 MONTH OUTCOME AFTER SAH, A SYSTEMATIC REVIEW M.A. van Kessel, G.M. Ribbers, A.P. Verhagen, F. van Kooten, H.J. Stam <i>Rijndam RC, Westersingel 300, 3015 LJ Rotterdam, Netherlands, +31102412412</i> <i>Erasmus MC, dept of rehabilitation medicine and dept of general practice, University Medical Centre, Rotterdam Netherlands</i>
4	RECOVERY OF FUNCTION AND REORGANIZATION AFTER BRAIN INJURY. A THEORETICAL AND METHODOLOGICAL CHALLENGE Mogensen, Jesper; Mala, Hana <i>The Unit for Cognitive Neuroscience, Department of Psychology, University of Copenhagen, Center for Sundhed and Samfund, Oester Farimagsgade 2A, 1353 Copenhagen K, Denmark</i>

Behaviour

5	SOCIAL COGNITION, SO WHAT? (1) SOCIAL-EMOTIONAL COMMUNICATION IMPAIRMENT AFTER ACQUIRED BRAIN INJURY AND EXPERIENCES OF INTIMACY IN COUPLES' RELATIONSHIPS Dr Giles Yeates <i>Joanne White-house Hart, Community Head Injury Service, Aylesbury, Buckinghamshire, UK.</i>
---	--

international symposium on
neurorehabilitation from basics to future



October 15th-16th, 2009. Valencia, Spain.

ORAL PRESENTATIONS

Cognitive Rehabilitation

6	NEUROPSYCHOLOGICAL CORRELATES OF DECISION MAKING IN FRONTAL LOBE LESION PATIENTS <u>Ammu Lukose</u> , Dr.Keshav Kumar, Dr. Dhananjaya Bhat & Dr. Jerry Mathew Elias Kovoor The study was conducting when the primary author was pursuing MPhil in Mental Health & Social Psychology, NIMHANS, Bangalore. Currently working as Senior Research Fellow, St. John's Research Institute, Bangalore, India.
7	THE RELATION BETWEEN MEMORY SELF-EFFICACY AND PSYCHOSOCIAL FACTORS IN CHRONIC STROKE PATIENTS <u>L. Aben</u> , MSc 1; M.M. Visser, 1; RWHM Ponds, PhD 3; J.J. van Busschbach, PhD 4; G.M. Ribbers, MD, PhD 1,2. 1: <i>Erasmus Medical Center, dept. of Rehabilitation Medicine, Rotterdam, the Netherlands</i> 2: <i>Rijndam rehabilitation centre; Rotterdam, the Netherlands</i> 3: <i>University Hospital Maastricht, dept. of Psychiatry and Psychology, Maastricht, the Netherlands</i> 4: <i>Erasmus Medical Center, dept. of Medical Psychology and Psychotherapy, Rotterdam, the Netherlands</i>

Motor Rehabilitation

8	IMPROVING GAIT AFTER STROKE - TREADMILL OR WALKING; QUANTITY OR QUALITY <u>Langhammer B</u> , Stanghelle JK. <i>Oslo University College, Faculty of health Sciences, Physiotherapy programme. Postbox 4, St Olavspl. N-0130 Oslo 4, Norway</i>
9	QUALITY OF MOVEMENT IN STROKE REHABILITATION <u>Birgitta Langhammer</u> , Johan K Stanghelle <i>Oslo University College, Faculty of health, Physiotherapy programme. Postbox 4, St Olavs pl. N-0130 Oslo 4, Norway</i>
10	DIRECTION-DEPENDENT MODULATION OF EARLY VISUOMOTOR PROCESSING DURING ROBOT-MEDIATED ARM REACHING IN MAN <u>Duncan L. Turner</u> and Xiaojun Tang <i>The Brain Function and NeuRobotics Lab, School of Health, Univ. East London, London E15 4LZ England</i>



Neuroimaging

11	<p>A VOXEL BASED CORRELATION ANALYSIS OF FRONTO-THALAMIC GLUCOSE METABOLISM IN TRAUMATIC BRAIN INJURY: RELATIONSHIP WITH CONSCIOUSNESS AND COGNITION</p> <p>J. García-Panach¹⁻³, N. Lull²⁻³, E. Noé¹, J. J. Lull³, J. Ferri¹, J. Chirivella¹, M. Robles³ <i>1 Servicio de Daño Cerebral de los Hospitales NISA. Fundación Instituto Valenciano de Neurorehabilitación (FIVAN).</i> <i>2 Universidad CEU Cardenal Herrera, Valencia.</i> <i>3 Grupo de Informática Biomédica, (ITACA), Universidad Politécnica de Valencia.</i></p>
12	<p>NEURONAL PLASTICITY AFTER ROBOTIC-ASSISTED LOCOMOTION TRAINING: A FUNCTIONAL MRI EVALUATION OF THE MOTOR NETWORK IN PATIENTS WITH STROKE</p> <p>Gracián García-Martí^{1,2}, Carolina Colomer^{3,4}, Luis Martí-Bonmati^{1,5}, Enrique Noe^{3,4}, Javier Chirivella^{3,4}, Joan Ferri^{3,4}, Angel Alberich-Bayarri¹, Roberto Sanz-Requena¹, Montserrat Robles⁶</p> <p><i>1 Radiology Department, Hospital Quirón, Valencia, Spain</i> <i>2 CIBERSAM Mental Health Network, Valencia, Spain</i> <i>3 Servicio Daño Cerebral Hospitales NISA, Valencia, Spain</i> <i>4 Fundación Instituto Valenciano de Neurorehabilitación, Valencia, Spain</i> <i>5 Radiology Unit, Dr. Peset Hospital, Valencia, Spain</i> <i>6 IBIME Group, Polytechnic University of Valencia, Valencia, Spain</i></p>
13	<p>LESIONAL TOPOGRAPHY OF ISCHEMIC STROKE DETERMINES DYNAMICS OF CORTICAL SENSORIMOTOR ACTIVATION</p> <p>Vicente González-Felipe, Rüdiger J. Seitz, Hans-Joachim Freund <i>Dpt. of Neurology, Heinrich-Heine-University Düsseldorf, Düsseldorf, Germany</i></p>

international symposium on
neurorehabilitation from basics to future



October 15th-16th, 2009. Valencia, Spain.

ORAL PRESENTATIONS

Plasticity

13	EFFECTS OF SENSORIMOTOR TRAINING AND OEC GRAFTS ON BEHAVIORAL RECOVERY AND SOMATOSENSORY MAP REMODELING AFTER CERVICAL SPINAL CORD INJURY (SCI) M. MARTINEZ (1), J.-M. BREZUN (1), Y. ZENNOU-AZOGUI (1), N. BARIL (1), F. FÉRON (2), C. A. XERRI (3) <i>1. Neurosciences Intégratives et Adaptatives, Univ. de Provence/CNRS -Pole 3C, Marseille, France</i> <i>2. Biologie des Interactions Cellulaires, Inst. Jean Roche, Marseille, France</i> <i>3. Integrative, Adaptive Neurosci, Univ. Provence/CNRS, Marseille, France</i>
14	MUSIC-SUPPORTED THERAPY INDUCES PLASTICITY IN THE SENSORIMOTOR CORTEX IN CHRONIC STROKE PATIENTS Rojo, N.1, Amengual, J.1, Camara, E.1, Juncadella, M.2, Schneider, S.3, Marco-Pallares, J. 1, Rubio, F. 2, Grau, C. 4, Veciana, C. 2, Montero, J. 2, Münte, T.F. 5, Rodriguez-Fornells, A. 1,6 <i>1 Dep. Physiology, Faculty of Medicine, Universitat de Barcelona</i> <i>2 Hospital Universitari de Bellvitge, Barcelona, Spain</i> <i>3 Institute of Music Physiology and Musicians' Medicine, Hannover, Germany</i> <i>4 Dep. Psiquiatria i Psicobiologia, Universitat de Barcelona</i> <i>5 Dep. Neuropsychology, University of Magdeburg, Germany</i> <i>6 ICREA, Barcelona</i>
15	INDIRECT VERSUS DIRECT FEEDBACK IN COMPUTER-BASED PRISM ADAPTATION THERAPY Inge Wilms <i>Research Dep., Center for Rehabilitation of Brain Injury, University of Copenhagen, Denmark.</i> <i>Institute of Psychology, University of Copenhagen, Denmark.</i>

Robotics

16	ANALYSIS AND VISUALIZATION OF TRENDS IN REHABILITATION ROBOTICS BASED ON PATENT MINING <u>Elisabetta Sani</u> , Emanuele Ruffaldi and Massimo Bergamasco <i>PERCRO Laboratory, Scuola Superiore Sant'Anna, Piazza Martiri della Libertà 33, 56127, Pisa, Italy</i>
17	EXOSKELETONS FOR UPPER-LIMB REHABILITATION: UPDATED DESIGN CRITERIA DERIVED FROM CLINICAL EVALUATIONS <u>M. Bergamasco</u> , A. Frisoli, F. Salsedo <i>Perceptual Robotics Laboratory PERCRO, Scuola Superiore Sant'Anna, Piazza Martiri della Libertà 33,, 56127 Pisa, Italy</i>

international symposium on
neurorehabilitation from basics to future



October 15th-16th, 2009. Valencia, Spain.

ORAL PRESENTATIONS

Virtual Rehabilitation

18	<p>EFFECT OF VIRTUAL AVATAR CHARACTERISTICS ON PERFORMANCE OF HEALTHY SUBJECTS TRAINING TASKS</p> <p>V-H. Nguyen, F. Merienne, J-L Martinez <i>Le2i - Institut Image - 71100 Chalon Sur Saône - France</i></p>
19	<p>ANALYSIS OF MULTITOUCH TECHNOLOGY FOR NEUROREHABILITATION</p> <p>Mariano Alcañiz *, Jose A Lozano *, Maja Wrzesien *, Jose Gil *, Neus Herrero *. <i>* I3bh/LabHuman, Universidad Politécnica Valencia, Valencia (Spain)</i></p>
20	<p>PILOT STUDY OF A TETHERED PLATFORM FOR ELDERLY PEOPLE (BUTLER PROJECT)</p> <p>Cristina Botella†, Mariano Alcañiz ††, Ernestina Etxemendi†, Diana Castilla† <i>† I3BH/LabPsitac, Universitat Jaume I, (Spain)</i> <i>†† I3BH/LabHuman, Universidad Politécnica Valencia, (Spain)</i></p>
21	<p>THE ELDERGAMES PROJECT: A MULTITOUCH/MULTIUSER SERIOUS GAME TO PRESERVE COGNITIVE FUNCTIONS IN ELDERLY PEOPLE</p> <p>Alcañiz Mariano†, Gamberini Luciano ††, Malena Fabergat †††, Rocío Zaragoza ††† <i>† I3BH/LabHuman, Universidad Politécnica Valencia, (Spain)</i> <i>†HTLab, Department of General Psychology, University of Padova, (Italy)</i> <i>†††AIJU, Toy Research Institute, Ibi, (Spain)</i></p>
22	<p>NAVIGATION THROUGH AUDITORY VIRTUAL ENVIRONMENTS FOR THE REHABILITATION OF BLIND CHILDREN</p> <p>Jaime Sánchez(1), Angelo Tadres(1), Alvaro Pascual-Leone(2), Lotfi Merabet(2) <i>(1) University of Chile, Blanco Encalada 2120, Santiago, Chile</i> <i>(2) Beth Israel Deaconess Medical Center, Kirstein Hall Building, room KS 158, 330 Brookline Avenue, Boston MA 02215, USA</i></p>
23	<p>PRELIMINAR VALIDATION OF ECOTRAIN-COGNITIVE: A VIRTUAL ENVIRONMENT TASK FOR SAFE STREET CROSSING IN ACQUIRED BRAIN INJURY PATIENTS WITH AND WITHOUT UNILATERAL SPATIAL NEGLECT</p> <p>M^a Dolores Navarro, Jose A Lozano*, Javier Chirivella, Mariano Alcañiz*, Joan Ferri, Jose Gil*, Carolina Colomer, Neus Herrero*, Enrique Noé <i>Servicio de Daño Cerebral, Hospitales NISA. Fundación Instituto Valenciano de Neurorehabilitación (FIVAN).</i> <i>* I3BH/LabHuman, Universidad Politécnica Valencia, (Spain)</i></p>