

international symposium on  
**neurorehabilitation** from basics to future



October 15<sup>th</sup>-16<sup>th</sup>, 2009. Valencia, Spain.

## POSTER PRESENTATIONS

### Assessment

1	<p><b>MULTIDISCIPLINARY ASSESSMENT IN A PATIENT WITH ISCHEMIC LOCAL INFARCTION AND INCONGRUENT SEVERE AND PERSISTENT COGNITIVE DETERIORATION</b></p> <p>R Balmaseda<sup>1</sup>, M O'Valle<sup>1</sup>, M Vázquez-Marrufo<sup>2</sup>, A Galvao<sup>2</sup>, G Izquierdo<sup>3</sup>, F Hernández-Hazañas<sup>4</sup>  <sup>1</sup> <i>Clinical Neuropsychology Department, Neuroclinic, Brain Injury Rehabilitation Center, Seville, Spain</i>  <sup>2</sup> <i>Department of Experimental Psychology, University of Seville, Spain</i>  <sup>3</sup> <i>Multiple Sclerosis Unit, Virgen Macarena University Hospital, Seville, Spain</i>  <sup>4</sup> <i>ICU Department-HRT. Virgen del Rocío University Hospital, Seville, Spain</i></p>
2	<p><b>LAST FUNCTIONAL OUTCOME IN PATIENTS AFTER SURGERY FOR DIFFERENT LOCATION MENINGIOMA</b></p> <p>Béseler Soto, Mr; Grao Castellote, Cm; García Fenollosa, M; Saavedra Muñoz G.  <i>Unidad Daño Cerebral. Hospital La Magdalena . Castelló. Spain</i>  <i>c/ Catarroja 2 46210 Picanya. València (first author)</i></p>
3	<p><b>GLOBAL BIOMECHANICAL EVALUATION AS AN USEFUL TOOL IN THE REHABILITATION PROCESS OF A NEUROLOGIC PATIENT</b></p> <p>Garcés-Pérez L, Peydro-De Moya F, Vivas-Broseta MJ, Garrido-Jaen JD.  <i>INSTITUTO DE BIOMECÁNICA DE VALENCIA, Universidad Politécnica de Valencia, Edificio 9C Camino de Vera s/n 46022 Valencia (Spain)</i></p>
4	<p><b>LINKING TO THE ICF OF TWO INSTRUMENTS FOR SCREENING OF COGNITIVE FUNCTIONS</b></p> <p>Caisa Hofgren, Eva Esbjörnsson, Åsa Lundgren-Nilsson and Katharina Stibrant-Sunnerhagen.  <i>Institute of Neuroscience and Physiology, Section of Clinical Neuroscience and Rehabilitation, Sahlgrenska Academy. University of Gothenburg, Gothenburg. Per Dubbsgatan 19, 413 45 Gothenburg, SWEDEN</i></p>
5	<p><b>UNDERSTANDING CONCEPTS AND SPATIAL RELATIONS IN PEOPLE WITH BRAIN DAMAGE</b></p> <p>Ana Leko and Tatjana Prizl Jakovac  <i>University of Zagreb, Faculty of Education and Rehabilitation Sciences, Department of Speech and Language Pathology, Borongajska cesta 83 F, 10 000 Zagreb, Croatia</i></p>
6	<p><b>OBJECTIVELY ASSESSING GAIT AND BALANCE DEFICITS AFTER ACQUIRED BRAIN INJURY: CLINICAL UTILITY OF COMPUTERIZED POSTUROGRAPHY TESTING</b></p> <p>Nuria Navalón, Miquel Revert, Carlos Bermejo, Claudia Mascarell, Laura Gomez, Inmaculada Santes, Laura Gomez-Cantó, Carolina Pozuelo, Raúl Lopez, Esther Mompó, Juan Jose Jimenez, Nuria Navalón, Carolina Colomer  <i>Servicio de Daño Cerebral, Hospitales NISA. Fundación Instituto Valenciano de Neurorehabilitación (FIVAN).</i></p>
7	<p><b>SPEECH AND LANGUAGE ASSESSMENT OF PATIENTS WITH TRAUMATIC BRAIN INJURIES</b></p> <p>Tatjana Prizl Jakovac and Ana Leko  <i>University of Zagreb, Faculty of Education and Rehabilitation Sciences, Department of Speech and Language Pathology, Borongajska cesta 83 F, 10 000 Zagreb, Croatia</i></p>



## POSTER PRESENTATIONS

8	<p><b>PROXIMAL VS DISTAL CUES: ASSESSMENT OF SPATIAL MEMORY IN A VIRTUAL TASK UNDER TWO DIFFERENT REFERENCE FRAMES</b></p> <p>Cánovas R., León I., <u>Roldán-Tapia L.</u>, Cimadevilla JM  <i>Dpt de Neurociencias. Facultad de Psicología, Universidad de Almería. La Cañada 04120 Almería</i></p>
9	<p><b>NEUROPSYCHOLOGICAL ALTERATION IN ACUTE CONFUSIONAL STATE (ACS) WITH DELIRIUM</b></p> <p>Romero Rodriguez, Y*, Lopez Tapia, F.*, Martin de Rosales Martinez, J.*, Romero Cotelo, J**, Ruiz Ortiz, S**, Galvez Mateos, R.**  <i>*Psychologist of Unit of Pain and Palliative Care of Virgen de las Nieves Hospital, Granada. Spain.</i>  <i>**Doctor of Unit of Pain and Palliative Care of Virgen de las Nieves Hospital, Granada. Spain.</i></p>
10	<p><b>INFLUENCE OF NEUROLOGICAL PATHWAY DISORDERS IN THE ASSESSMENT OF CONSCIOUSNESS DISORDERS: A SINGLE CASE STUDY</b></p> <p><u>O Valle M</u>(1), <u>balmaseda R</u>(1), <u>Hernández-Hazaña F</u>(2), &amp; <u>Domínguez- Roldán JM</u>(2).  <i>1. Clinical Neuropsychological Department. Neuroclinic Brain injury rehabilitation center. Seville, Spain.</i>  <i>2. ICU Department HHUU Virgen del Rocío. Seville, Spain</i></p>

## Basics

11	<p><b>THE ROLE OF THE KLKS 1 AND 6 IN THE ACTIVATION OF T CELLS IN MULTIPLE SCLEROSIS</b></p> <p><u>Pedro Francisco Angelo Junior</u> and <u>Isobel A Scarisbrick</u>  <i>730 1st Street NW Ap 2 Rochester - MN - USA - 55901</i></p>
12	<p><b>COMPARISON OF A SELF-RATING SCALE TO A CLINICAL SCALE FOR DEPRESSION IN BRAIN AND SPINAL INJURY PATIENTS OF KARACHI</b></p> <p><u>Sanaullah Bashir</u>, DUHS, Karachi, Sindh, Pakistan. <u>M.Azfar Saleem</u>, DUHS, Karachi, Pakistan, <u>M. Adil Sheikh</u>, DUHS, Karachi, Pakistan, <u>Kiran Ejaz</u>, Department of Research, DUHS, Karachi, Pakistan, <u>Dr.Junaid Ashraf</u>, <i>Head of Neuro Surgery, DUHS, Karachi, Pakistan</i>  <u>Sanaullah Bashir</u>, <i>Dow University of Health Sciences(DUHS), Karachi, Sindh, Pakistan, 102 Jinnah Co-operative Housing Society Block 7/8 Tipu Sultan Road, Karachi, Sindh, Pakistan. 74500</i></p>
13	<p><b>ATTENUATION BY A NOVEL RUSSIAN DRUG SEMAX OF THE LEARNING AND MEMORY DEFICITS IN JUVENILE RATS TREATED WITH AMPHETAMINE IN UTERO: ROLE OF NITRIC OXIDE</b></p> <p><u>V. Bashkatova</u>, <u>S.Sudakov</u>, <u>J. Penit-Soria</u>, <u>D. Rezvanova</u>, <u>A.Vanin</u>  <i>P.K. Anokhin Research Institute of Normal Physiology RAMS, Moscow, Russia; University YI, Paris France; N.N. Semenov Institute of Chemical Physics RAS, Moscow, Russia</i></p>
14	<p><b>AKINETIC MUTISM SECONDARY TO BILATERAL ANTERIOR CEREBRAL ARTERY INFARCTION AND THE EFFECT OF CARBIDOPA/LEVODOPA AND PRAMIPEXOL TREATMENT</b></p> <p><u>Boldó M</u>, <u>Torrequebrada A</u>, <u>Ribera A</u>, <u>Garreta R</u>, <u>Olivé B*</u>.  <i>Physical Medicine and Rehabilitation Department. *Neurosurgery Department. Hospital Universitari Mútua de Terrassa. Terrassa. Barcelona. Spain.</i></p>

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15	<p><b>THE RELEVANCE OF ASSESSMENT OF COGNITIVE AND BPSD-LIKE VARIABLES TO MONITOR THE PROGRESSION OF ALZHEIMER'S DISEASE AND RELATED SURVIVAL IN 3XTGAD MICE</b></p> <p><u>Lydia GIMENEZ-LLORT</u><sup>1</sup>, Virginia TORRES-LISTA<sup>1</sup>, Xènia PLANAS-PUJOL<sup>2</sup>, Josep GARRE-OLMO<sup>2</sup>, Frank M LAFERLA<sup>3</sup>, Joan VILALTA-FRANCH<sup>2,4</sup>, Secundí LOPEZ-POUSA<sup>2,4</sup>.</p> <p>1.Dept. of Psychiatry &amp; Forensic Medicine, INC, UAB, Barcelona, Spain; 2.Research Unit. Hospital de Sta Caterina. Institut d'Assistència Sanitària, Girona, Spain. 3.Dept. of Neurobiology &amp; Behavior, UCI, CA, USA.4. UVAMID, Hospital de Sta Caterina. Institut d'Assistència Sanitària, Girona, Spain</p>
16	<p><b>RELATIONSHIPS AMONG RIVERMEAD BEHAVIOURAL MEMORY TEST AND AGE AND EDUCATIONAL LEVEL</b></p> <p>Blasco-Bataller, S. (1), <u>Meléndez-Moral, J. C.</u> (1), Tomás-Miguel, J. M. (2)</p> <p>(1) Department of Developmental Psychology, Faculty of Psychology, University of Valencia, Valencia, Spain, Av. Blasco Ibáñez, 21, 46010  (2) Department of Methodology for the Behavioral Sciences, Faculty of Psychology, University of Valencia, Valencia, Spain, Av. Blasco Ibáñez, 21, 46010</p>
17	<p><b>LONG TERM EFFECTS OF COGNITIVE STIMULATION BY A PERMANENT FAMILY STRUCTURE: STUDIES IN TRIPLE TRANSGENIC 3xTgAD MICE FOR ALZHEIMER'S DISEASE AND NON TRANSGENIC CONTROL MICE</b></p> <p><u>Ramírez-Boix P.</u>, Giménez-Llort, L</p> <p>Dept. of Psychiatry and Forensic Medicine, Institute of Neuroscience, Universitat Autònoma de Barcelona</p>
18	<p><b>STROKE IN SOUTH NAVARRA</b></p> <p><u>SANTAMARIA TORROBA, Amparo</u></p> <p>Servicio de Rehabilitacion. Hospital Reina Sofia. Tudela. Navarra</p>
19	<p><b>CENTRAL AUDITORY PROCESSING DISORDERS AFTER STROKE  NATURE AND CONSEQUENCES FOR REHABILITATION</b></p> <p><u>K.H.Woldendorp</u>, rehabilitation physician</p> <p>Revalidatie Friesland, locatie Beetsterzwaag, Postbox 2, 9244 ZN Beetsterzwaag</p>
68	<p><b>UNIQUE CHALLENGES IN THE REHABILITATION OF PATIENTS WITH CORTICOBASAL DEGENERATION SYNDROME</b></p> <p><u>Daniel Drubach</u>, MD. Dina Drubach, PT.</p> <p>Department of Neurology. Mayo Clinic and College of Medicine. Rochester Minnesota, USA</p>



## POSTER PRESENTATIONS

### Behaviour

20	<p><b>ATTENTION DEFICIT/HYPERACTIVITY DISORDER (ADAH) IN CHILDREN AND THE CLINICAL AND PSYCHOSOCIAL VARIABLES INVOLVED</b></p> <p><u>Miguel Tortajada Girbés</u>, Alicia Sales Galán, Esperanza Navarro Pardo<sup>1</sup>.  <i>Catarroja's Health Centre. 10th Department of Health. Consellería de Sanitat (Valencia). 1College of Psychology. University of Valencia.</i></p>
21	<p><b>PHARMACOLOGICAL TREATMENTS IN PAEDIATRIC AND ADOLESCENT ADHA AND THEIR RELATIONSHIP WITH SUBT</b></p> <p><u>Miguel Tortajada Girbés</u>, Alicia Sales Galán, Esperanza Navarro Pardo<sup>1</sup>.  <i>Catarroja's Health Centre. 10th Department of Health. Consellería de Sanitat (Valencia). 1College of Psychology. University of Valencia.</i></p>

### Cognitive Rehabilitation

22	<p><b>A MULTI-TOUCH WORKBENCH FOR COGNITVE REHABILITATION</b></p> <p><u>Francisco J. Abad</u> and Rosa M. Abad  <i>aI2 Institute. Universidad Politécnica de Valencia, 46022 Valencia. Spain</i></p>
23	<p><b>COGNITIVE INTERVENTION IN MS PATIENT'S DAILY LIFE AND THEIR FAMILY</b></p> <p><u>Gotsens i Anguera, Mònica</u>. <i>Occupational Therapy</i>  <u>Aldevert i Serra, Mireia</u>. <i>Speech and language Therapist</i>  <u>Nieves i Collado, Mònica</u>. <i>Neuropsychology.</i>  <i>Hospital Arnau de Vilanova</i>  <i>Hospital de Dia Miquel Martí i Pol.</i>  <i>Fundació Esclerosi Múltiple de Lleida.C/ Rovira Roure 80, 25198 Lleida, Spain</i></p>
24	<p><b>CASE STUDY: ORBIT-FRONTAL SYNDROME</b></p> <p><i>*Almendra Blanco Miranda</i> and Ma. del Rosario Ramos Cuevas  <i>*Faculty of Psychology of Autonomous University of State of Morelos (UAEM), Cuernavaca, Morelos, Mexico.</i></p>
25	<p><b>EFFECTS OF METHYLPHENIDATE ON COGNITIVE REHABILITATION IMMEDIATELY AFTER POST-TRAUMATIC AMNESIA RESOLUTION</b></p> <p><u>Ana Carcases</u>, Belen Moliner, Joan Ferri, Javier Chirivella, Carolina Colomer, Enrique Noé  <i>Servicio de Daño Cerebral, Hospitales NISA. Fundación Instituto Valenciano de Neurorehabilitación (FIVAN).</i></p>
26	<p><b>THE EFFECT OF NEUROREHABILITATION IN EXECUTIVE DISORDERS</b></p> <p><u>Guadalupe Chiclana</u><sup>1</sup>, Nuria A. Paúl<sup>2</sup>, Victoria E. Ordóñez<sup>3</sup>, Beatriz López<sup>4</sup>  <sup>1</sup>. <i>Unidad Asistencial San Vicente. Centro de rehabilitación cerebral. Madrid. España</i>  <sup>2</sup>. <i>Facultad de Medicina. Universidad Complutense de Madrid. España</i>  <sup>3</sup>. <i>Centro de Magnetoencefalografía Dr. Pérez Modrego. UCM. España</i>  <sup>4</sup>. <i>Centro LESCER. Madrid. España</i></p>

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27	<p><b>MAINTENANCE AND GENERALIZATION OF COGNITIVE IMPROVEMENT IN A SINGLE-CASE DESIGN OF A NEUROPSYCHOLOGICAL REHABILITATION PROGRAM 10 YEARS AFTER STROKE</b></p> <p><u>Fernández Gonzalo S.</u><sup>1-2</sup>, <u>Freniche Rodríguez V.</u><sup>2</sup>, <u>Andiarena Villaverda A.</u><sup>2</sup> <u>Cuxart Fina A.</u>, and <u>Jodar Vicente M.</u><sup>2-3</sup>  <i>1. Traumatology and Rehabilitation, Hospital Vall d'Hebron, Barcelona, Spain – 2. Universitat Autònoma de Barcelona, Spain – 3. Hospital Taulí, Sabadell, Barcelona, Spain</i></p>
28	<p><b>WHY DO TRAINING IN MEMORY STRATEGIES IS NOT EFFECTIVE IN PATIENTS WITH MILD ALZHEIMER'S DISEASE? WHAT ARE THE VARIABLES TO BE CONSIDERED IN COGNITIVE STIMULATION PROGRAMS?</b></p> <p><u>Sara Fernández Guinea</u>, <u>M<sup>a</sup> Luisa Delgado</u>, <u>Silvia López</u>, <u>Sonia Mestre</u>, <u>María Laorden</u>.  <i>Departamento de Psicología Básica II (Procesos Cognitivos). Facultad de Psicología. Universidad Complutense de Madrid. Spain.</i></p>
29	<p><b>EXTERNAL COMPENSATION OF MEMORY DISORDERS IN THE CHRONIC PHASE AFTER BRAIN DAMAGE, A CASE STUDY (R.B.)</b></p> <p><u>Olga García Sánchez</u> (1) and <u>Cristina González Agudo</u> (2)  <i>(1) Neuropsychology and Director of Polibea, Center for Rehabilitation of Acquired Brain Injury, Madrid. Spain.</i>  <i>(2) Neuropsychology of Polibea, Center for Rehabilitation of Acquired Brain Injury, Madrid. Spain.</i></p>
30	<p><b>NEUROPSYCHOLOGICAL PERFORMANCE IMPROVEMENT IN A SUBJECT WITH OCD TREATED WITH COGNITIVE-BEHAVIORAL THERAPY</b></p> <p><u>Agustín E. Martínez</u> and <u>José A. Piqueras</u>  <i>Calle Mayor Nº113 4<sup>o</sup>C.30820 Alcantarilla (Murcia) España. Email: cpcmayer@yahoo.es</i></p>
31	<p><b>NEUROPSYCHOLOGICAL EVALUATION OF CHILDREN: DESCRIPTIVE DATA OF A SAMPLE OF CHILDREN WITH INTELLECTUAL DISABILITY</b></p> <p><u>A.E. Martínez</u>, <u>J.J. Salamero</u> y <u>J. A. Piqueras</u>  <i>Plaza de la Constitución, nº10, 30520 Jumilla (Murcia), España</i></p>
32	<p><b>COGNITIVE IMPROVEMENT FOLLOWING TREATMENT IN A CASE OF HERPES ENCEPHALITIS</b></p> <p><u>Agustín E. Martínez</u>, <u>Carmen A. Vicente</u>, <u>Maite Jiménez</u> y <u>José A. Piqueras</u>  <i>ASPAJUNIDE: Plaza de la Constitución, 10. 30520 Jumilla (Murcia) España. Email: cpcmayer@yahoo.es</i></p>
33	<p><b>LONG TERM EFFECT OF AN INTERVENTION TO IMPROVE EVERYDAY MEMORY ON ELDERLY PEOPLE WITHOUT COGNITIVE IMPAIRMENT</b></p> <p><u>Blasco-Bataller, S.</u> (1), <u>Meléndez-Moral, J. C.</u> (1), <u>Tomás-Miguel, J. M.</u> (2)  <i>(1) Department of Developmental Psychology, Faculty of Psychology, University of Valencia, Valencia, Spain, Av. Blasco Ibáñez, 21, 46010</i>  <i>(2) Department of Methodology for the Behavioral Sciences, Faculty of Psychology, University of Valencia, Valencia, Spain, Av. Blasco Ibáñez, 21, 46010</i></p>
34	<p><b>COGNITIVE IMPROVEMENT IN A RENAL TRANSPLANT RECIPIENT AFTER A MEMORY TRAINING SCHEDULE.</b></p> <p><u>José Vicente Montagud</u>, <u>Gemma Candela</u>, <u>Sonia Martínez-Sanchis</u>, <u>Anna Abad</u> and <u>Consuelo Bernal</u>.  <i>Department of Psychobiology, Faculty of Psychology, University of Valencia. Valencia. Spain.</i></p>
35	<p><b>DEVICE FOR HELPING COMMUNICATION THROUGH A MOBILE PHONE IN A APHASIC PATIENT</b></p> <p><u>Elena Panizo Velasco</u>.  <i>Speech Therapy Department. CEADAC. Madrid. Spain.</i></p>

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**POSTER PRESENTATIONS**

36	<p><b>PRIMARY CAREGIVERS PSYCHOLOGICAL IMPACT AS A RESULT OF FUNCTIONAL STATUS IN ACQUIRED BRAIN INJURY OUTPATIENTS</b></p> <p>Nuria A. Paúl<sup>1</sup>, Margarita Pascual<sup>2</sup>, Begoña González<sup>2</sup>, J. Luis Blázquez<sup>2</sup>, Ana Useros<sup>2</sup>, Alicia Hernando<sup>2</sup>, Guadalupe Chiclana<sup>3</sup>  <i>1. Facultad de Medicina. Universidad Complutense de Madrid. Spain - 2. Hospital Beata María Ana. UDC. Madrid - 3. Unidad Asistencial San Vicente. Madrid. Spain</i></p>
37	<p><b>A SINGLE CASE DESIGN INVOLVING THE USE OF AN EXTERNAL MEMORY AID TO IMPROVE COOKING SAFETY IN A MAN WITH SEVERE MEMORY PROBLEMS</b></p> <p>Theresa Powell<sup>1,2</sup>, Nivya Krishnan<sup>1</sup>, Clive Thursfield<sup>2</sup>, Sue Wright<sup>2</sup> and Kevin McGrath<sup>2</sup>  <i><sup>1</sup>University of Birmingham, Birmingham, England  <sup>2</sup>West Midlands Rehabilitation Centre, South Birmingham PCT, Birmingham, England</i></p>
38	<p><b>ATTENTION RECOVERY AFTER TRAUMATIC BRAIN INJURY: SPONTANEOUS RECOVERY AND PREDICTIVE FACTORS</b></p> <p>Pascual-Darlington M., Mestre Roldan S., <u>Ríos-Lago M.</u>, Blazquez Alisente JL., González Rodriguez B. and De Noreña Martinez D.  <i>Unidad de Daño Cerebral. Hospital Beata María Ana. Madrid.  Dpto. Psicología Basica II. UNED. Madrid  UIPA. Fundación CIEN-Fundación Reina Sofía. Madrid  Universitat Oberta de Catalunya (UOC).</i></p>
39	<p><b>DOP AS TOOL OF IMPROVEMENT OF VISUOSPATIAL DISTURBANCES IN CHILDREN WITH PRECEDENTS OF GREAT PREMATURITY</b></p> <p>Lourdes Martinez, MAngeles Fernández-Estevez, Mar Sánchez-Joya, <u>Lola Roldán-Tapia</u>  <i>Dpto. de Neurociencia. Facultad de Psicología. Universidad de Almería. La Cañada s/n 04120 Almería. Spain</i></p>
40	<p><b>LANGUAGE IMPAIRMENTS AFTER TRAUMATIC BRAIN INJURY: A LONGITUDINAL STUDY IN NON-APHASIC PATIENTS</b></p> <p><u>Amparo Sánchez-Alfonso</u>, Maria Romero-Ferrando, Lourdes Brines-Benlliure, Joan Ferri-Campos, Javier Chirivella-Garrido, Enrique Noé-Sebastián.  <i>Servicio de Daño Cerebral, Hospitales NISA. Fundación Instituto Valenciano de Neurorehabilitación (FIVAN).</i></p>
41	<p><b>EVALUATION OF FACIAL EMOTION PROCESSING IN FREGOLI SYNDROME</b></p> <p>Sánchez Latorre, M. (1), <u>Triviño Mosquera, M.</u> (2), Arnedo Montoro, M. (1), Acosta Mesas, A. (1)  <i>(1) Grupo de Neurociencia Cognitiva y del Comportamiento. Facultad de Psicología. Universidad de Granada. Spain.  (2) Servicio de Neuropsicología. Hospital Universitario San Rafael. Granada. Spain.</i></p>
42	<p><b>NEUROPSYCHOLOGICAL REHABILITATION IN A CASE OF GLIOBLASTOMA MULTIFORME TUMOR: RECENT SUCCESSFUL RESULTS CONTRADICT CLINICAL PROGNOSIS</b></p> <p><u>Trujillo-Pozo, I</u> (1 &amp; 2), Martín-Monzón, IM (1) ; Polaina-Bailón, M (2)  <i>1. Laboratory of Psychobiology, University of Seville. - 2. Department of Neurosurgery, University Hospitals Virgen del Rocío, Seville, Spain.</i></p>
43	<p><b>ERP MODULATIONS (P300 AND N450) RELATED WITH ATTENTIONAL AND MNESIC REHABILITATION</b></p> <p><u>M Vázquez-Marrufo</u> (1), J González-Rosa (2), E Vaquero (1), P Duque (3), L López (3), M Borges (3), A Galvao (1), C Gómez (1), G Izquierdo (3)  <i>(1) Dpto de Psicología Experimental, Sevilla, España - (2) Hospital San Raffaele, Milán, Italia - (3) Unidad de Esclerosis Múltiple, Sevilla, España</i></p>



## POSTER PRESENTATIONS

### Motor Rehabilitation

44	<p><b>MOTOR REHABILITATION PERCEIVED QUALITY OF LIFE OF PERSONS WITH PARKINSON DISEASE</b></p> <p><u>Drini DOBI</u>, Mira RAKACOLLI, Jonida BALA, Olsi TAKA, Jera KRUIJA  <i>University, Hospital Centre "Mother Theresa", Service of Neurology</i></p>
45	<p><b>EFFECTS OF DUAL-TASK TRAINING ON BALANCE IN PATIENTS WITH ACQUIRED BRAIN INJURY</b></p> <p>González-Altred*, <u>Gómez-Blanco*</u>, Ramiro-González**, Cuenca-González**, Hita-Benito*, Villar-López*, Fernandez-Albadalejo*, Pajares-García*, Casado-Romo*, Robles-Aranda*, Bilbao-Bilbao*, Bize-López*  <i>* Rehabilitación Service. Centro Estatal de Atención al Daño Cerebral (CEADAC). State Care Centre For Brain Injury. Madrid. Spain</i>  <i>** Rehabilitación Service. Clínico San Carlos Hospital. Madrid. Spain</i></p>
46	<p><b>NEW AMBULATORY REHABILITATION SYSTEM FOR ACQUIRED BRAIN DAMAGE PATIENTS</b></p> <p><u>Jaime Guixeres Provinciale</u>, Enrique Noé Sebastián, Javier Chirivella, Mariano Alcañiz Raya, Javier Saiz Rodriguez  <i>C/ Camino de Vera S/N ed.8K (Labhuman), CP 46022 Valencia (Spain)</i></p>
47	<p><b>MOTOR FUNCTION, ACTIVITY AND PARTICIPATION IN PERSONS WITH STROKE IN A LONGITUDINAL FOLLOW-UP</b></p> <p><u>Langhammer B</u>, Lindmark B, Stanghelle JK  <i>Oslo University College, Faculty of health, Physiotherapy programme. Postbox 4, St Olavs pl. N-0130 Oslo, Norway</i></p>
48	<p><b>EFFECT OF AQUATIC THERAPY ON BALANCE AND SPASTICITY IN CEREBRAL PALSY.</b></p> <p><u>Martínez-Gramage J.</u> MSc. CEU-Cardenal Herrera University, Valencia, Spain  <u>Amer-Cuenca JJ.</u> MSc. CEU-Cardenal Herrera University, Valencia, Spain  <u>Ana Sebastián Mengod.</u> Fisioterapeuta AVAPACE, Valencia, Spain  <u>Jorge Barcia González.</u> Facultad de Ciencias de la Salud Universidad CEU UCH.</p>
49	<p><b>CHANGES IN QUALITY OF LIFE AND DEPRESSION AFTER A PSHYSICAL THERAPY RELAXATION PROGRAM IN PATIENTS WITH CERVICAL DYSTONIA</b></p> <p><u>Useros AI PT</u>, <u>Pascual M.</u> PhD, <u>Fernández de las Peñas C PT</u> PhD  <i>Dpto. de Fisioterapia, Terapia Ocupacional, Medicina Física y Rehabilitación. Universidad Rey Juan Carlos. Av. Atenas s/n. 28922. Alcorcón. Madrid</i></p>
50	<p><b>CHARCOT'S ARTHROPATHY OF THE HIP AFTER SPINAL CORD INJURY</b></p> <p><u>F. B. Serrano Saenz de Tejada</u>, L. Cuesta Villa, D. Vazquez Riveiro, I. Moreno Garcia.  <i>Hospital Asepeyo Coslada. Departamento de Rehabilitación. C/ Joaquin de Cardenas, 2. Coslada (Madrid) 28820.</i></p>



**Neuroimaging**

51	<p><b>FUNCTIONAL CONNECTIVITY CHANGES INDUCED BY NEUROPSYCHOLOGICAL REHABILITATION</b></p> <p>Nazareth P. Castellanos(1), Nuria A. Paúl(2), Victoria E. Ordóñez(3), Olivier Demuyne(1), Pablo Campo3, Fernando Maestú(3)  <i>1. Centro de Tecnología Biomédica (CTB). Universidad Politécnica de Madrid. España</i>  <i>2. Facultad de Medicina. Universidad Complutense de Madrid. España</i>  <i>3. Centro de Magnetoencefalografía Dr. Pérez Modrego. UCM. España</i></p>
52	<p><b>NEUROANATOMICAL CORRELATES OF ATTENTION AND SPEED OF INFORMATION PROCESSING AFTER ACQUIRED BRAIN INJURY</b></p> <p>Ríos-Lago M., Periañez J., Álvarez-Linera J., Ramos A., Lubrini G., Hilario A. y Lagares A.  <i>Dpto. Psicología Básica II. UNED. Madrid</i>  <i>UIPA. Fundación CIEN-Fundación Reina Sofía. Madrid</i>  <i>Unidad de Daño Cerebral. Hospital Beata Maria Ana. Madrid.</i>  <i>Dpto. Psicología Basica II. Universidad Complutense Madrid.</i>  <i>Servicio de Neurorradiología. Hospital Ruber Internacional. Madrid</i>  <i>Servicio de Radiología. Hospital 12 de octubre. Madrid</i>  <i>Servicio de Neurocirugía. Hospital 12 de octubre. Madrid</i></p>
53	<p><b>LATE RECOVERY OF CONSCIOUSNESS IN A NON-TRAUMATIC VEGETATIVE STATE. A SPECT STUDY</b></p> <p>Torrequebrada A, Pérez MC, Boldó M, Ibarz C, Garreta R, Sanahuja J*  <i>Rehabilitation Department. Hospital Universitari Mutua de Terrassa, *Fundació Vallparadis. Terrassa. Barcelona. Spain.</i></p>
64	<p><b>PERILESIONAL ACTIVATION ASSOCIATED WITH POSTISCHEMIC MOTOR RECOVERY: A MULTIMODAL MRI AND TMS STUDY</b></p> <p>Vicente González-Felipe, Rüdiger J. Seitz, Hans-Joachim Freund  <i>Dpt. of Neurology, Heinrich-Heine-University Düsseldorf, Düsseldorf, Germany</i></p>
65	<p><b>SELECTIVE WEAKNESS OF THE DOMINANT THUMB AFTER PRECENTRAL INFARCT WITH COMPLETE REVERSAL ON FOLLOW-UP</b></p> <p>Vicente González-Felipe MD, Hans-Joachim Freund MD.  <i>Dpt. of Neurology, Heinrich-Heine-University Düsseldorf, Germany</i></p>
66	<p><b>COMPARING PRE- AND POSTOPERATIVE HIGH-FIELD-FUNCTIONAL MRI MAPPING OF SENSORIMOTOR FUNCTION IN PATIENTS WITH GLIOMA IN ELOQUENT BRAIN REGIONS</b></p> <p>González-Felipe V, Safavi-Abbasi S, Freund HJ, Samii A, Samii M  <i>International Neuroscience Institute Hannover, Germany</i></p>
67	<p><b>LONG-TERM FUNCTIONAL CORTICAL SENSORIMOTOR REORGANIZATION AFTER TRAUMATIC AVULSION OF BRACHIAL PLEXUS: A WHOLE-BRAIN 3T BOLD FMRI STUDY</b></p> <p>González-Felipe V, Safavi-Abbasi S, Heinze HJ, Freund HJ, Samii A, Samii M  <i>International Neuroscience Institute Hannover, Germany</i></p>



## POSTER PRESENTATIONS

### Robotics

54	<p><b>ROBOT-ASSISTED THERAPY ON UPPER LIMB REHABILITATION AFTER STROKE</b></p> <p>Dr. M. Bayon Calatayud .  <i>Rehabilitation Department . Hospital Virgen de La Luz . Cuenca (Spain) .</i></p>
55	<p><b>EFFECTIVENESS OF GRAVITY-SUPPORTED, COMPUTER-ENHANCED ARM REHABILITATION IN ACQUIRED BRAIN INJURY USING THE ARMEO®</b></p> <p>Carolina Colomer, Amparo Baldoví, Sara Torromé, M<sup>a</sup> Dolores Navarro-Perez, Belén Martínez-Campos, Ana Belen Carcases, Lucía Perez-Salamero, Estela Fernández, Patricia Fernández, Belen Moliner, Joan Ferri, Javier Chirivella, Enrique Noé  <i>Servicio de Daño Cerebral, Hospitales NISA. Fundación Instituto Valenciano de Neurorehabilitación (FIVAN).</i></p>
56	<p><b>UNIVERSAL HAPTIC DEVICE FOR SPASTIC UPPER LIMB REHABILITATION AFTER SEVERE TRAUMATIC BRAIN INJURY – CASE REPORT</b></p> <p>Klemen Grabljevec<sup>1</sup>, Dejana Zajec<sup>1</sup>, Jakob Oblak<sup>2</sup>, Zlatko Matjačić<sup>2</sup>  <i>Department for Traumatic Brain Injury Rehabilitation (1), Department for Rehabilitation Research (2). Institute for Rehabilitation, Linhartova 51, SI-1000 Ljubljana, Slovenia.</i></p>
57	<p><b>EFFICACY AND SAFETY OF EARLY ACTIVIZATION OF PATIENTS WITH ACQUIRED BRAIN INJURY USING TILT-TABLE ERIGO®</b></p> <p>Claudia Mascarell, Laura Gomez, Inmaculada Santes, Laura Gomez-Cantó, Jose Olaya, Miquel Revert, Carolina Pozuelo, Raúl Lopez, Esther Mompó, Juan Jose Jimenez, Nuria Navalón, Carlos Bermejo. Carolina Colomer  <i>Servicio de Daño Cerebral, Hospitales NISA. Fundación Instituto Valenciano de Neurorehabilitación (FIVAN).</i></p>

### Virtual Rehabilitation

58	<p><b>THE SOCIABLE PROJECT: A NEW ICT BASED TOOL FOR INTEGRATED SUPPORT OF PATIENTS WITH MILD DEMENTIA</b></p> <p>Mariano Alcañiz, Neus Herrero, Reyes Moliner, Carlo Caltagirone, Rolf B. Jensen, Stelios Pantelopoulos  Mariano Alcañiz, Neus Herrero: <i>I3bh/LabHuman, Universidad Politécnica de Valencia, Valencia, Spain</i>  Reyes Moliner: <i>PREVI S.L., Valencia, Spain</i>  Carlo Caltagirone: <i>Fondazione Santa Lucia, Rome, Italy</i>  Rolf B. Jensen: <i>Trondheim Kommune, Trondheim, Norway</i>  Stelios Pantelopoulos: <i>SingularLogic S.A., Ionia, Greece</i></p>
59	<p><b>VIRTUAL REALITY-BASED THERAPY FOR STROKE REHABILITATION</b></p> <p>Dr. M. Bayon Calatayud.  <i>Rehabilitation Department. Hospital Virgen de Luz . Cuenca (Spain) .</i></p>



**POSTER PRESENTATIONS**

<p><b>60</b></p>	<p><b>THE USE OF VIDEO GAMES FOR COGNITIVE AND VIRTUAL REHABILITATION: A SINGLE CASE WITH TRAUMATIC BRAIN INJURY</b></p> <p>M. Caglio<sup>(a)</sup>, L. Latini-Corazzini<sup>(a)</sup>, F. D'Agata<sup>(a,b)</sup>, F. Cauda<sup>(a,b)</sup>, K. Sacco<sup>(a,b)</sup>, S. Monteverdi<sup>(c)</sup>, M. Zettin<sup>(a,c)</sup>, S. Duca<sup>(b)</sup>, G. Geminiani<sup>(a,b)</sup></p> <p><sup>(a)</sup>Department of Psychology, University of Turin, via Po 14, 10123 Turin, Italy</p> <p><sup>(b)</sup>Centro clinico-sperimentale di fMRI, Neuroradiologia, Ospedale Koelliker di Torino, c.so G. Ferrarsi 251-255, 10134 Turin, Italy.</p> <p><sup>(c)</sup>Società Cooperativa Sociale Puzzle, via Cimabue 2, 10137 Turin, Italy.</p>
<p><b>61</b></p>	<p><b>VIRTUAL REALITY IN UPPER LIMB MOTOR REHABILITATION, A CASE-CONTROL STUDY</b></p> <p>Laura Cocco , Andrea Turolla, Michela Agostini, Paolo Tonin, Lamberto Piron, Pawel Kiper and Andrea Vendramin</p> <p>IRCCS San Camillo Hospital, via Alberoni 70, 30126 Lido di Venezia, Venezia, Italy (+39 041 2207214; fax: +39 041 731330)</p>
<p><b>62</b></p>	<p><b>LARGE-SCALE SPATIAL ENCODING DURING DIRECT AND MEDIATED VIRTUAL ROWING</b></p> <p>Federico Vanni, Emanuele Ruffaldi, Carlo Alberto Avizzano, Massimo Bergamasco</p> <p>PERCRO Laboratory, Scuola Superiore Sant'Anna, Piazza Martiri della Libertà 33, 56127Pisa, Italy</p>
<p><b>63</b></p>	<p><b>USING ARTIFICIAL INTELLIGENCE TO ADAPT LEVEL OF DIFFICULTY IN COMPUTER-BASED COGNITIVE REHABILITATION THERAPY TO INDIVIDUAL PATIENTS</b></p> <p>Inge Wilms</p> <p>Research department, Center for Rehabilitation of Brain Injury, University of Copenhagen, Copenhagen, Denmark and Institute of Psychology, University of Copenhagen, Copenhagen, Denmark.</p>