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BOLETÍN MENSUAL DE DIVULGACIÓN DE INFORMACIÓN DEL CRE DISCAPACIDAD Y DEPENDENCIA, IMSERSO

Boletín
mensual de
divulgación de
información
sobre
investigaciones,
publicaciones y
avances
científicos
relacionados
con la
discapacidad

Septiembre–
Octubre
2022



Recopilación de nuevas investigaciones, publicaciones y avances sobre:

Ataxia de Friedeich

- ✓ Spinal cord magnetic resonance imaging and spectroscopy detect early-stage alterations and disease progression in Friedreich ataxia.

James M Joers, Isaac M Adanyeguh, Dinesh K Deelchand, Diane H Hutter, Lynn E Eberly, Isabelle Iltis, Khalaf O Bushara, Christophe Lenglet, Pierre-Gilles Henry.

DOI: <https://doi.org/10.1093/braincomms/fcac246>

Artículo de la revista Brains Communications

Discapacidad.

- ✓ The effects of power exercises on body structure and function, activity and participation in children with cerebral palsy: an ICF-based systematic review.

Ozgun Kaya Kara, Ceren Gursen, Sebahat Yaprak Cetin, Elif Nur Tascioglu, Seda Muftuoglu & Diane L. Damiano.

DOI: <https://doi.org/10.1080/09638288.2022.2138575>

Artículo de la revista Disability and Rehabilitation.

- ✓ New mechanistic insights into hereditary spastic paraplegias

Masud Husain

DOI: <https://doi.org/10.1093/brain/awac288>

Artículo de la revista Brain.

- ✓ Stimulation of the cuneiform nucleus enables training and boosts recovery after spinal cord injury



Anna-Sophie Hofer, Myriam I Scheuber, Andrea M Sartori, Nicolas Good, Stephanie A Stalder, Nicole Hammer, Kai Fricke, Sina M Schalbetter, Anne K Engmann, Rebecca Z Weber, Ruslan Rust, Marc P Schneider, Natalie Russi, Giacomini Favre, Martin E Schwab

DOI: <https://doi.org/10.1093/brain/awac184>

Artículo de la revista Brain.

- ✓ An Initial Psychometric Analysis of the Brain Gauge Tactile-Based Test Battery and Its Potential for Clinical Use Assessing Patients With Acute Mild Traumatic Brain Injury.

Brian J Ivins, Jacques P Arrieux, Wesley R Cole.

DOI: <https://doi.org/10.1093/arclin/acac031>

Artículo de la revista Archives of Clinical Neurophysiology.

Enfermedad de Huntington.

- ✓ Mutant huntingtin messenger RNA forms neuronal nuclear clusters in rodent and human brains.

Socheata Ly, Marie-Cécile Didiot, Chantal M Ferguson, Andrew H Coles, Rachael Miller, Kathryn Chase, Dimas Echeverria, Feng Wang, Ghazaleh Sadri-Vakili, Neil Aronin, Anastasia Khvorova

DOI: <https://doi.org/10.1093/braincomms/fcac248>

Artículo de la revista Brains Communications

Enfermedad de Parkinson.

- ✓ A Mendelian randomization study investigating the causal role of inflammation on Parkinson's disease

Daniele Bottigliengo, Luisa Foco, Philip Seibler, Christine Klein, Inke R König, Fabiola Del Greco M

DOI: <https://doi.org/10.1093/brain/awac193>

Artículo de la revista Brain.

- ✓ Tau accelerates α -synuclein aggregation and spreading in Parkinson's disease



Lina Pan, Chunrui Li, Lanxia Meng, Ye Tian, Mingyang He, Xin Yuan, Guoxin Zhang, Zhaohui Zhang, Jing Xiong, Guiqin Chen, Zhentao Zhang

DOI: <https://doi.org/10.1093/brain/awac171>

Artículo de la revista [Brain](#).

✓ [Lipid pathway dysfunction is prevalent in patients with Parkinson's disease](#)

Jasmin Galper, Nicholas J Dean, Russell Pickford, Simon J G Lewis, Glenda M Halliday, Woojin S Kim, Nicolas Dzamko

DOI: <https://doi.org/10.1093/brain/awac171>

Artículo de la revista [Brain](#).

✓ [Amphetamine-induced dopamine release and impulsivity in Parkinson's disease.](#)

Alexander K Song, Kaitlyn R Hay, Paula Trujillo, Megan Aumann, Adam J. Stark, Yan Yan, Hakmook Kang, Manus J Donahue, David H Zald, Daniel O Claassen

DOI: <https://doi.org/10.1093/brain/awab487>

Artículo de la revista [Brain](#).

✓ [Extracellular vesicles and seeding amplification: a step closer to a Parkinson's disease blood test](#)

Ivan Martinez-Valbuena, Gabor G Kovacs, Anthony E. Lang

DOI: <https://doi.org/10.1093/brain/awac292>

Artículo de la revista [Brain](#).

✓ [Association between gout and the development of Parkinson's disease: a systematic review and meta-analysis.](#)

Asra Fazlollahi, Mahdi Zahmatyar, Hossein Alizadeh, Maryam Noori, Nasrin Jafari, Seyed Aria Nejadghaderi, Mark J. M. Sullman, Koroush Gharagozli, Ali-Asghar Kolahi & Saeid Safiri.

DOI: <https://doi.org/10.1186/s12883-022-02874-0>

Artículo de la revista [BMC Neurology](#)



- ✓ Power spectral analysis of heart rate variability is useful as a screening tool for detecting sympathetic and parasympathetic nervous dysfunctions in Parkinson's disease.

Tomo Miyagi, Masanobu Yamazato, Takuto Nakamura, Takashi Tokashiki, Yukihiro Namihira, Kazuhito Kokuba, Satoshi Ishihara, Hirokuni Sakima & Yusuke Ohya.

DOI: <https://doi.org/10.1186/s12883-022-02872-2>

Artículo de la revista BMC Neurology

- ✓ Targeting LRRK2 in Parkinson's disease.

Bin Xiao, Eng-King Tan.

DOI: <https://doi.org/10.1016/j.xcrm.2022.100778>

Artículo de la revista Cell Reports Medicine.

- ✓ Deep brain stimulation for parkinson's disease induces spontaneous cortical hypersynchrony in extended motor and cognitive networks.

Maxwell B Wang, Matthew J Boring, Michael J Ward, R Mark Richardson, Avniel Singh Ghuman

DOI: <https://doi.org/10.1093/cercor/bhab496>

Artículo de la revista Cerebral Cortex.

- ✓ Physical activity levels in people with Parkinson's disease treated by subthalamic nucleus deep brain stimulation.

Mary Danoudis & Robert Iansek

DOI: <https://doi.org/10.1080/09638288.2022.2112626>

Artículo de la revista Disability and Rehabilitation.

- ✓ "Out and proud.... in all your shaking glory" the wellbeing impact of a dance program with public dance performance for people with Parkinson's disease: a qualitative study.

Suzanne J. Carroll, Michael J. Dale & Kasia Bail.

DOI: <https://doi.org/10.1080/09638288.2022.2122598>

Artículo de la revista Disability and Rehabilitation.



Esclerosis Lateral Amiotrófica (ELA)

- ✓ Altered SOD1 maturation and post-translational modification in amyotrophic lateral sclerosis spinal cord.

Benjamin G Trist, Sian Genoud, Stéphane Roudeau, Alexander Rookyard, Amr Abdeen, Veronica Cottam, Dominic J Hare, Melanie White, Jens Altvater, Jennifer A Fifita, Alison Hogan, Natalie Grima, Ian P Blair, Kai Kysenius, Peter J Crouch, Asuncion Carmona, Yann Rufin, Stéphane Claverol, Stijn Van Malderen, Gerald Falkenberg, David J Paterson, Bradley Smith, Claire Troakes, Caroline Vance, Christopher E Shaw, Safa Al-Sarraj, Stuart Cordwell, Glenda Halliday, Richard Ortega, Kay L Double.

DOI: <https://doi.org/10.1093/brain/awac165>

Artículo de la revista Brain.

- ✓ Mild motor impairment as prodromal state in amyotrophic lateral sclerosis: a new diagnostic entity

Michael Benatar, Volkan Granit, Peter M Andersen, Anne-Laure Grignon, Caroline McHutchison, Stephanie Cosentino, Andrea Malaspina, Joanne Wu.

DOI: <https://doi.org/10.1093/brain/awac185>

Artículo de la revista Brain.

- ✓ Cognitive and behavioural but not motor impairment increases brain age in amyotrophic lateral sclerosis.

Andreas Hermann, Gaël Nils Tarakdjian, Anna Gesine Marie Temp, Elisabeth Kasper, Judith Machts, Jörn Kaufmann, Stefan Vielhaber, Johannes Prudlo, James H Cole, Stefan Teipel, Martin Dyrba.

DOI: <https://doi.org/10.1093/braincomms/fcac239>

Artículo de la revista Brains Communications

Esclerosis múltiple y otras enfermedades autoinmunes.

- ✓ Contribution of B cells to cortical damage in multiple sclerosis

Pavan Bhargava, Hans-Peter Hartung, Peter A Calabresi



DOI: <https://doi.org/10.1093/brain/awac233>

Artículo de la revista Brain.

- ✓ Linking lesions in sensorimotor cortex to contralateral hand function in multiple sclerosis: a 7 T MRI study

Mads A J Madsen, Vanessa Wiggermann, Marta F M Marques, Henrik Lundell, Stefano Cerri, Oula Puonti, Morten Blinkenberg, Jeppe Romme Christensen, Finn Sellebjerg, Hartwig R Siebner.

DOI: <https://doi.org/10.1093/brain/awac203>

Artículo de la revista Brain.

- ✓ Coping Style Moderates the Effect of Pain on Depression Symptoms in Multiple Sclerosis.

Megan L Bradson, Margaret H Cadden, Erin T Guty, Kaitlin E Riegler, Garrett A Thomas, Jennifer E Graham-Engeland, Peter A Arnett

DOI: <https://doi.org/10.1093/arclin/acac025>

Artículo de la revista Archives of Clinical Neurophysiology.

- ✓ Avoidant Coping Is Associated with Quality of Life in Persons with Multiple Sclerosis with High Cognitive Reserve.

Samantha M Vervoordt, Megan L Bradson, Peter A Arnett.

DOI: <https://doi.org/10.1093/arclin/acac049>

Artículo de la revista Archives of Clinical Neurophysiology.

- ✓ The Relationship between Fatigue and a Clinically Accessible Measure of Switching in Individuals with Multiple Sclerosis.

Fareshte Erani, Joshua McKeever, John D Medaglia, Maria T Schultheis.

DOI: <https://doi.org/10.1093/arclin/acac017>

Artículo de la revista Archives of Clinical Neurophysiology.

- ✓ Efficacy of diet on fatigue, quality of life and disability status in multiple sclerosis patients: rapid review and meta-analysis of randomized controlled trials.

María Dolores Guerrero Aznar, María Dolores Villanueva Guerrero, Jaime Cordero Ramos, Sara Eichau Madueño, María Morales Bravo, Rocío López Ruiz & Margarita Beltrán García



DOI: <https://doi.org/10.1186/s12883-022-02913-w>

Artículo de la revista BMC Neurology

- ✓ Risk and severity of SARS-CoV-2 reinfection among patients with multiple sclerosis vs. the general population: a population-based study.

Mahdi Barzegar, Amirreza Manteghinejad, Sara Bagherieh, Setayesh Sindarreh, Omid Mirmosayyeb, Shaghayegh Haghjooy Javanmard, Vahid Shaygannejad & Maryam Nasirian.

DOI: <https://doi.org/10.1186/s12883-022-02907-8>

Artículo de la revista BMC Neurology

- ✓ Assessment of sexual dysfunction in patients with multiple sclerosis: a perspective from neurologist.

Mariana Gaviria- Carrillo, Silvia Juliana Bueno-Florez & Paola Andrea Ortiz-Salas.

DOI: <https://doi.org/10.1186/s12883-022-02884-y>

Artículo de la revista BMC Neurology

- ✓ Immediate effects of wearing textured versus smooth insoles on standing balance and spatiotemporal gait patterns when walking over even and uneven surfaces in people with multiple sclerosis.

Anna L. Hatton, Katrina Williams, Mark D. Chatfield, Sheree E. Hurn, Jayishni N. Maharaj, Elise M. Gane, Thomas Cattagni, John Dixon, Keith Rome, Graham Kerr & Sandra G. Brauer.

DOI: <https://doi.org/10.1080/09638288.2022.2122600>

Artículo de la revista Disability and Rehabilitation.

- ✓ “Oh it’s changed, it’s changed 10-fold”: understanding the experience of self-concept change from the perspectives of people with multiple sclerosis.

Holly Emery, Christine Padgett, Tamara Ownsworth & Cynthia A. Honan

DOI: <https://doi.org/10.1080/09638288.2022.2121865>

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