

CURRICULUM VITAE

Name: Maria Esther Cubo Delgado
 License number: 090835350 (Spain), active medical license in Illinois (USA)
 Born: 01/28/1967 in Mérida (Badajoz). Spain.
 Nationality: Spanish
 Family status: Married
 Residence: Calle Conde Lucanor 76, 09006 Burgos, Spain
 Phone & Fax: 34-667699020
 E-mail: esthercubo@gmail.com;mcubo@saludcastillayleon.es
 Institution: Neurology Department, Hospital Universitario Burgos,
 Avda Islas Baleares 3, 09006 Burgos, Spain

Updated version (September, 5th, 2016).

EDUCATION

- Bachelor of Science at the University of Salamanca 1991.
- Medical School (1985-1991), at the "Universidad de Extremadura", Badajoz, Spain.
- Neurology Residency at the University Clinical Hospital "San Carlos", Madrid, 1993-1996.
- Educational Commission for foreign medical graduates (USMLE). ECFMG certificate number 0-562-762-5 (valid indefinitely).
- Fellowship in Movement Disorders at Rush Presbyterian-St Luke's Medical Center, Chicago, USA, January 1998-December 2000.
- DBS training at Toronto Western Hospital, Toronto, Canada August 10th-December 10th, 2016.
- Other Courses and Seminars (see appendix)

- **Languages:**

- English: upper level. Courses:

- Language School, I course, Badajoz 1989-1990.
- International Academy (Ares Felco), general english course, Londres

1991, Great Britain.

- General English course. Hospital Clinico Universitario San Carlos, Madrid, 1993.
- General English Course. Madrid. 1994.
- Callan Method School of English. Intermediate level course. Madrid, 1994.
- International Academy . Upper-intermediate level course. Madrid,1994-96.
- TOEFL: November 1999: 565.

-French: upper intermediate level; studied at school for 7 years.

-Italian: advanced level.

-Spanish: mother tongue.

INTERNATIONAL WORKING EXPERIENCES:

- Stage for three months at Northwestern University: Center for Behavioral Cognitive and Alzheimer Disease: Director: M. Mesulam MD, Northwestern University, Chicago 1996.
- Collaboration in several research projects and Fellowship in Movement Disorders Department at Rush Presbyterian Hospital, Chicago,1997-2000.
- Fellowship in DBS at Toronto Western Hospital, Toronto August-December 2016.

INTERNATIONAL AND NATIONAL COLLABORATIONS

- Chair of the Telemedicine Task Force. Movement Disorders Society since 2015.
- Member of the Africa Task Force. Movement Disorders Society since 2014.
- Member of the Rating Scales Task Force. Movement Disorders Society since 2014.
- Member of the Scientific Committee of the Spanish Neurological Association (2008-2013).
- Member of the Scientific Committee of Hospital Universitario of Burgos since 2007.

AWARDS

- Award for the best poster at the XLVII yearly meeting of the Spanish Society of Neurology, Barcelona, 1995, entitled "Neurologic complications after PTCA".

- Award for the best junior research project entitled: Study of the efficacy of walkers in Parkinson's disease freezing. Neurology Department. Rush-Presbyterian St. Luke's Medical Center 2000.
- Award for the best scientific publication. Fundacion Burgos Investigacion de la Salud, Burgos University Hospital, Spain, 2007
- Award for the best scientific proyect. Fundacion Burgos Investigacion de la Salud, Burgos University Hospital, Spain, 2008
- Award for the best scientific publication. Fundacion Burgos Investigacion de la Salud, Burgos University Hospital, Spain, 2007
- Award for the third best scientific publication. Fundacion Burgos Investigacion de la Salud, Burgos University Hospital, Spain, 2009
- Presidential Award from the President of the Movement Disorders Society, 2014. Stockolm, Sweden.
- Award for the second best scientific publication. Fundacion Burgos por la Investigacion de la Salud, Hospital Universitario Burgos, Spain, 2014.
- Award for the best scientific publication in Pharmaco-economics. Hospital Universitario Burgos, Spain, 2016
- Award for the second best scientific publication. Hospital Universitario Burgos, Spain, 2017.

ACADEMIC APPOINTMENTS

- 1999-2000: Instructor of Neurological Sciences, Rush University, Chicago, Il, USA.
2001. 1. Neurologist attending at Hospital Mutua de Terrassa (Barcelona).
 2. Visiting Assistant Professor at Rush University, Chicago, Il, USA.
- 2002 1. Neurologist attending at Hospital de la Zarzuela and Clinica del Rosario, Madrid, Spain1. Coordinadora de la Unidad de Trastornos del Movimiento en la Clínica de la Zarzuela, Clínica del Rosario, Madrid, España.
 2. Visiting Assistant Professor at Rush University, Chicago, Il, USA
- 2003 1. Neurologist attending at Hospital de la Zarzuela and Clinica del Rosario, Madrid,
 2. Visiting Assistant Professor at Rush University, Chicago, Il, USA
 3. Neurologist, Fundación CSAI, Health Institute Carlos, Madrid, Spain.

- 2004
1. Visiting Assistant Professor at Rush University, Chicago, IL, USA
 2. Neuroepidemiology Unit, Health Institute San Carlos III, Madrid, Spain.
- 2005
1. Visiting Assistant Professor at Rush University, Chicago, IL, USA
 2. Neuroepidemiology Unit, Health Institute Carlos III, Madrid, Spain.
- 2006- Present
1. Neurologist attending. Neurology Department, Burgos University Hospital, Burgos, Spain.
 2. Visiting Assistant Professor at Rush University, Chicago, IL, USA
Associate professor at Medical School, University of Valladolid, Spain.
 3. Professor. Medical School (Doctorate Program). University of Valladolid, Spain.
 4. Associate Professor. Postgraduate training program. Oberta University of Catalunya. Spain.

SOCIETY MEMBERSHIPS

- Member of the Spanish Society of Neurology, since 1994.
- Member of the American Academy of Neurology since 1996.
- Member of the Movement Disorder Society since 2000.
- Member of the American Association for the Advancement of Science since 2000.

TEACHING EXPERIENCE (see Appendix)

GRANTS AND RESEARCH from International, National Societies and Government.

1. BAE (Fondo de investigación sanitaria) 1997. "Working memory en pacientes no dementes con la enfermedad de Parkinson". Rush_Presbyterian St. Luke's Medical Center, Chicago, Illinois, USA 1997. Co-investigator.
2. BEFI (Fondo de Investigación sanitaria). 1998-1999. "Pharmacological, physiological and anatomic studies in patients with Parkinson's Disease and fetal graft transplant". Rush_Presbyterian St. Luke's Medical Center, Chicago, Illinois, USA. Co-investigator.
3. Spanish Longitudinal Study in Parkinson Disease. Co-investigator. Spanish Health Institute Carlos III, Spain (Network of Excellence Red CIEN C03/06;

- IRYSS Research Network Investigation de Salud y Servicios Sanitarios G03/202).
4. Placebo effect in Tic disorders. Principal investigator. Supported by Junta de Castilla y León. 2007
 5. Fear of falling in patients with Parkinson's disease. Principal investigator. Supported by the Junta de Castilla y León. 2007
 6. Association of tic disorders with school impairment. Principal investigator. 2007-2010. FIS 2006 PI 070846
 7. Placebo Study in Huntington's disease. Principal Investigator. Grant Junta de Castilla y Leon. 2009
 8. Web-Based Parkinson's Disease Assessment. Michael J Fox Foundation, New York, USA. Principal investigator. 2008-2010.
 9. Buiding ICT competencies in the long-term care sector to enhance quality of life for older people and those at risk of exclusion (Carenet). European Union 519278-LLP-1-2011-1-FR-KA3-KA3MP. Co-investigator of the Spanish group FBIS_CAUB) (2011-2013).
 10. A dietary survey in Huntington's disease. Seed fund. European Huntington Disease Registry. Principal investigator 2011-2012:
 11. Anatomical and functional Study of optic coherence tomography as a biological marker in Parkinson's Disease. Principal investigator. Supported by Gerencia Regional de Salud Castilla y León. 2010-2011: GRS 517/A/10.
 12. Spanish validation of the Unified Dyskinesia Rating Scale-MDS for Parkinson's disease. Principal investigator. Beca Caja Burgos. 2010-2011
 13. Analysis of prevalence of tic Disorders and comorbidities in a mainstream population. Principal investigator. 2007-2010. FIS 2006 PI 070846.
 14. Caring for the majority. Training providers in Cameroon. Movement Disorder Society. 2013-2014. Principal Investigator.
 15. NEUROLOGICAL DISEASE SURVEILLANCE IN CAMEROON. A rural and urban-based outpatients population study. World Federation of Neurology, 2013-2014. Principal Investigator.
 16. Octopamine determination as a potential biomarker in Parkinson's disease. Fundacion Burgos por la Investigacion de la Salud, 2013-2014. Principal Investigator.

17. Longitudinal follow-up of association of school impairment and tic Disorders in a mainstream population. Grant: Junta de Castilla y León 2014-2015. Principal Investigator.
18. Clinical correlates of patients with Huntington Disease in the indeterminate range. Grant Sacyl Junta de Castilla y León, 2014-2016, Principal Investigator. Data Mining Project. European Huntington disease registry, 2013. Principal investigator.
19. Cost-effectiveness of telemedicine in Parkinson´s disease. Grant: Great Lakes´Technology 2013-2015. Principal Investigator.
20. Development of a screening tool for nutrition deficits in Huntington´s disease. 2015-2016. Supported by the Junta Castilla y Leon. Bio/BU06/15. Principal Investigator.
21. Movement Disorders tele education program for undergraduate medical students in low-middle income countries. 2016-2017. International Parkinson´s Disease and Movement Disorder Society. Principal Investigator.
22. Clinical Correlates of homozygous HD 2017. European Huntington´s Disease Registry. Principal Investigator.

PHARMACEUTICAL-SPONSORED RESEARCH

1. Pfizer-Eisai. 1999. Principal investigator: "Study of tolerability and efficiency of donepezil in Huntington´s disease". Rush_Presbyterian St. Luke´s Medical Center, Chicago, Illinois, USA. Principal investigator
- 2- Pfizer-Eisai 2003. Principal investigator "Study of tolerability and efficiency of donepezil in patients with tic disorders and attention déficit disorder". Sanatorio Nuestra Señora del Rosario, Madrid, España. Principal investigator
- 3-A hollistic approach of agonists and levodopa use in Parkinson´s disease. Clinical Trial: Trust. Patrocinador: UCB-Schawrz Pharma. Local Principal investigator. 2007
- 4-Use of levodopa-entacapone in patients with Parkinson´s disease and motor fluctuations. Clinical Trial: Derbi. Patrocinador: Novartis. Local principal investigator. 2007
- 5-Clinical trial. Harps Study. III Phase, multicenter, doublé blind. Randomized Study of BF2.649 P06-10 for Parkinson´s disease. Local principal Investigator. 2009

6-Gabapentina and impulse control disorder in Parkinson's Disease. A multicenter, double blind, randomized Study. Local principal investigator. Instituto de Salud Carlos III. Expediente: EC11/380.

7-EDUO study. Open label study. Nº ABB-LEV-2011-01. Observational study, retrospective study of Duodopa in advanced Parkinson's disease. Abbot Laboratory. Local principal Investigator. 2012-2013.

8-Edis study. Study of effectivity of Duodopa in neuropsychiatric and sleep problems in advanced Parkinson's disease. Local principal Investigator. Sponsor : Laboratorios Abbott. 2012-2013.

9-A phase 3, randomized study investigating the safety of CVT-301 (levodopa inhalation powder) in Parkinson's disease patients with motor fluctuations (Off phenomena) compared to an observational cohort control. INC research. Local principal investigator.

10- A Multicenter, Multinational, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Study to Evaluate the Efficacy and Safety of Laquinimod (0.5, 1.0 and 1.5 mg/day) as Treatment in Patients with Huntington's Disease Phase II Study TV5600-CNS-20007 (LEGATO-HD - Laquinimod Efficacy and Safety in a Global Trial Of HD). Local principal investigator.

11- European multicenter retrospective-prospective cohort study to observe Safinamide safety profile and pattern of use in clinical practice during the first post-commercialization phase– Study Z7219N02. Local principal investigator.

12- Longitudinal Cohort of patients with Parkinson's disease in Spain. COH-PAK-2014-01. Local principal investigator.

13- Clinical Study Protocol P14-494 DUOdopa/Duopa in Patients with Advanced Parkinson's Disease (PD) – a Global Observational Study Evaluating Long-Term Effectiveness (DUOGLOBE). Local principal investigator.

14. Drug Utilization Study on SAFINAMIDE Study Z7219N02. Zambon Pharmaceuticals. Local principal investigator. 2016-2017.

AD HOC REVIEW

1. Clinical Neuropharmacology
2. Movement Disorders
3. Journal of Neurological Sciences.
4. Journal of Neurology, Neurosurgery and Psychiatry.
5. Movement Disorders Clinical Practice.
6. Journal of Alzheimer's disease.

7. Neurology
8. Parkinsonism & Related Disorders
9. Neuroepidemiology
10. Journal of Parkinson's disease.

PUBLICATIONS IN PEER- REVIEW JOURNALS

1. **Cubo E**, Gonzalez C, Ausin V, Delgado V, Saez S, Calvo S, Garcia Soto X, Cordero J, Kompoliti K, Louis ED, de la Fuente Anuncibay R. The Association of Poor Academic Performance with Tic Disorders: A Longitudinal, Mainstream School-Based Population Study. *Neuroepidemiology*. 2017 Jul 29;48(3-4):155-163.
2. Moss DJH, Pardiñas AF, Langbehn D, Lo K, Leavitt BR, Roos R, Durr A, Mead S; TRACK-HD investigators; **REGISTRY investigators**, Holmans P, Jones L, Tabrizi SJ. Identification of genetic variants associated with Huntington's disease progression: a genome-wide association study. *Lancet Neurol*. 2017 Jun 20. pii:S1474-4422(17)30161-8.
3. Rivadeneyra J, **Cubo E**, Gil C, Calvo S, Mariscal N, Martínez A. Factors associated with Mediterranean diet adherence in Huntington's disease. *Clin Nutr ESPEN*. 2016 Apr;12:e7-e13.
4. Fasano A, Lozano AM, **Cubo E**. New neurosurgical approaches for tremor and Parkinson's disease. *Curr Opin Neurol*. 2017 Aug;30(4):435-446.
5. Mestre TA, van Duijn E, Davis AM, Bachoud-Lévi AC, Busse M, Anderson KE, Sampaio C, Goetz CG, **Cubo E**, Stebbins GT, Martinez-Martin P; Members of the MDS Committee on Rating Scales Development.. Response to letter by Saenz-Farret et al. on "Rating scales for behavioral symptoms in Huntington's disease: Critique and recommendations". *Mov Disord*. 2017 Mar;32(3):482.
6. Jiménez-Jiménez FJ, García-Martín E, Alonso-Navarro H, Martínez C, Zurdo M, Turpín-Fenoll L, Millán-Pascual J, Adeva-Bartolomé T, **Cubo E**, et al. Thr105Ile (rs11558538) polymorphism in the histamine-1-methyltransferase (HNMT) gene and risk for restless legs syndrome. *J Neural Transm (Vienna)*. 2017 Mar;124(3):285-291.
7. Ruiz-Idiago JM, Floriach M, Mareca C, Salvador R, López-Sendón JL, Mañanés V, **Cubo E**, et al. Spanish Huntington Disease Network. Spanish

- Validation of the Problem Behaviors Assessment-Short (PBA-s) for Huntington's Disease. *J Neuropsychiatry Clin Neurosci*. 2016 Jul 15;appineuropsych16020025.
8. **Cubo E**, Ramos-Arroyo MA, Martinez-Horta S, Martínez-Descalls A, Calvo S, Gil-Polo C; European HD Network. Clinical manifestations of intermediate allele carriers in Huntington disease. *Neurology*. 2016 Aug 9;87(6):571-8.
 9. Heldman DA, Giuffrida JP, **Cubo E**. Wearable Sensors for Advanced Therapy Referral in Parkinson's Disease. *J Parkinsons Dis*. 2016 Jul 2;6(3):631-8.
 10. Mestre TA, van Duijn E, Davis AM, Bachoud-Lévi AC, Busse M, Anderson KE, Ferreira JJ, Mahlknecht P, Tumas V, Sampaio C, Goetz CG, **Cubo E**, Stebbins GT, Martínez-Martin P; Members of the MDS Committee on Rating Scales Development. Rating scales for behavioral symptoms in Huntington's disease: Critique and recommendations. *Mov Disord*. 2016 Jun 14. doi: 10.1002/mds.26675.
 11. Santos-García D, Mir P, **Cubo E**, Vela L, Rodríguez-Oroz MC, Martí MJ, Arbelo JM, Infante J, Kulisevsky J, Martínez-Martín P; COPPADIS Study Group. Erratum to: COPPADIS-2015 (COhort of Patients with PARKinson's Disease in Spain, 2015), a global--clinical evaluations, serum biomarkers, genetic studies and neuroimaging--prospective, multicenter, non-interventional, long-term study on Parkinson's disease progression. *BMC Neurol*. 2016 Apr 6;16:44.
 12. **Cubo E**, Mariscal N, Solano B, Becerra V, Armesto D, Calvo S, Arribas J, Seco J, Martinez A, Zorrilla L, Heldman D. Prospective study on cost-effectiveness of home-based motor assessment in Parkinson's disease. *J Telemed Telecare*. 2016 Mar 21. pii: 1357633X16638971.
 13. Santos-García D, Mir P, **Cubo E**, Vela L, Rodríguez-Oroz MC, Martí MJ, Arbelo JM, Infante J, Kulisevsky J, Martínez-Martín P; COPPADIS Study Group. COPPADIS-2015 (COhort of Patients with PARKinson's Disease in Spain, 2015), a global--clinical evaluations, serum biomarkers, genetic studies and neuroimaging--prospective, multicenter, non-interventional, long-term study on Parkinson's disease progression. *BMC Neurol*. 2016 Feb 25;16:26.
 14. Martínez-Martín P, Rodríguez-Blazquez C, Paz S, Forjaz MJ, Frades-Payo

- B, **Cubo E**, de Pedro-Cuesta J, Lizán L; ELEP Group. Parkinson Symptoms and Health Related Quality of Life as Predictors of Costs: A Longitudinal Observational Study with Linear Mixed Model Analysis. *PLoS One*. 2015 Dec 23;10(12):e014531010
15. Jiménez-Jiménez FJ, García-Martín E, Alonso-Navarro H, Martínez C, Zurdo M, Turpín-Fenoll L, Millán-Pascual J, Adeva-Bartolomé T, **Cubo E**, Navacerrada F, Rojo-Sebastián A, Rubio L, Ortega-Cubero S, Pastor P, Calleja M, Plaza-Nieto JF, Pilo-De-La-Fuente B, Arroyo-Solera M, García-Albea E, Agúndez JA. Association Between Vitamin D Receptor rs731236 (Taq1) Polymorphism and Risk for Restless Legs Syndrome in the Spanish Caucasian Population. *Medicine (Baltimore)*. 2015 Nov;94(47):e2125.
 16. **Cubo E**, Rivadeneyra J, Gil-Polo C, Armesto D, Mateos A, Mariscal-Pérez N. Body composition analysis as an indirect marker of skeletal muscle mass in Huntington's disease. *J Neurol Sci*. 2015 Nov 15;358(1-2):335-8.
 17. **Cubo E**, Rivadeneyra J, Armesto D, Mariscal N, Martinez A, Camara RJ; Spanish members of the European Huntington Disease Network. Relationship between Nutritional Status and the Severity of Huntington's Disease. A Spanish Multicenter Dietary Intake Study. *J Huntingtons Dis*. 2015;4(1):78-85.
 18. García-Martín E, Jiménez-Jiménez FJ, Alonso-Navarro H, Martínez C, Zurdo M, Turpín-Fenoll L, Millán-Pascual J, Adeva-Bartolomé T, **Cubo E**, Navacerrada F, Rojo-Sebastián A, Rubio L, Ortega-Cubero S, Pastor P, Calleja M, Plaza-Nieto JF, Pilo-de-la-Fuente B, Arroyo-Solera M, García-Albea E, Agúndez JA. Heme Oxygenase-1 and 2 Common Genetic Variants and Risk for Restless Legs Syndrome. *Medicine (Baltimore)*. 2015 Aug;94(34):e1448.
 19. **Cubo E**, Doumbe J, Njiengwe E, Onana P, Garoña R, Alcalde J, Seco J, Mariscal N, Epundugu BM, Cubo S, Coma MJ. A Parkinson's disease tele-education program for health care providers in Cameroon. *J Neurol Sci*. 2015 Jul 15. pii: S0022-510X(15)00440-2. doi: 10.1016/j.jns.2015.07.019.
 20. Rivera-Navarro J, **Cubo E**, Mariscal N. Analysis of the Reasons for Non-Uptake of Predictive Testing for Huntington's Disease in Spain: A Qualitative Study. *J Genet Couns*. 2015 Dec;24(6):1011-21.
 21. **Esther Cubo** MD, PhD, Jéssica Rivadeneyra MSc, Diana Armesto MSc, Natividad Mariscal Rn, Asunción Martinez MSc, Rafael J. Camara PhD,^{5on}

- behalf of the Spanish members of the European Huntington Disease Network. Relationship between nutritional status and the severity of Huntington's Disease. A Spanish Multicenter Dietary Intake Study. *Journal of Huntington's disease* 2015;4(1):78-85.
22. **Esther Cubo** MD, PhD, Christopher G. Goetz MD, Glenn T. Stebbins PhD, Nancy R. LaPelle PhD, Barbara C. Tilley PhD, Lu Wang MS, Sheng Luo PhD and on behalf of the Spanish UDysRS Program Members. Independent Spanish Validation of the Unified Dyskinesia Rating Scale. *Movement disorders clinical practice* 2014. DOI: 10.1002/mdc3.12065
23. Jesús Rivera-Navarro, **Esther Cubo**, Javier Almazán. The Impact of Tourette's Syndrome in the School and the Family: Perspectives from Three Stakeholder Groups. *Int J Adv Counselling* (2014) 36:96–113, Factor impacto 1.05.
24. **Cubo E**, Hortigüela M, Jorge-Roldan S, Ciciliani SE, Lopez P, Velasco L, Sastre E, et al. Prenatal and Perinatal Morbidity in Children with Tic Disorders: A Mainstream School-based Population Study in Central Spain. *Tremor Other Hyperkinet Mov (N Y)*. 2014;15;4:272. doi: 10.7916/D8FN14W9.
25. Aicua I, Verhagen O, Arenaza N, **Cubo E**. Head and Arm Tremor in X-linked Spinal and Bulbar Muscular Atrophy. *Tremor Other Hyperkinet Mov (N Y)*. 2014 Oct 8;4:265. doi: 10.7916/D8959FVJ.
26. Walters AS, Frauscher B, Allen R, Benes H, Chaudhuri KR, Garcia-Borreguero D, Lee HB, Picchietti DL, Trenkwalder C, Martinez-Martin P, Stebbins GT, Schrag A; **MDS Committee on Rating Scales**. Review of quality of life instruments for the restless legs syndrome/Willis-Ekbom Disease (RLS/WED): critique and recommendations. *J Clin Sleep Med*. 2014 Dec 15;10(12):1351-7
27. Walters AS, Frauscher B, Allen R, Benes H, Chaudhuri KR, Garcia-Borreguero D, Lee HB, Picchietti DL, Trenkwalder C, Martinez-Martin P, Stebbins GT, Schrag A; **MDS Committee on Rating Scales**. Review of diagnostic instruments for the restless legs syndrome/Willis-Ekbom Disease (RLS/WED): critique and recommendations. *J Clin Sleep Med*. 2014 Dec 15;10(12):1343-9.
28. Jiménez-Jiménez FJ, Alonso-Navarro H, Martínez C, Zurdo M, Turpín-Fenoll L, Millán-Pascual J, Adeva-Bartolomé T, **Cubo E**, et al. Neuronal

- nitric oxide synthase (nNOS, NOS1) rs693534 and rs7977109 variants and risk for restless legs syndrome. *J Neural Transm*. 2014 Oct 10. [Epub ahead of print] PubMed PMID: 25300364.
29. Achey M, Aldred JL, Aljehani N, Bloem BR, Biglan KM, Chan P, **Cubo E**, et al. International Parkinson and Movement Disorder Society Telemedicine Task Force. The past, present, and future of telemedicine for Parkinson's disease. *Mov Disord*. 2014 Jun;29(7):871-83.
30. Jiménez-Jiménez FJ, Alonso-Navarro H, Martínez C, Zurdo M, Turpín-Fenoll L, Millán-Pascual J, Adeva-Bartolomé T, **Cubo E**, Navacerrada F, Rojo-Sebastián A, Rubio L, Calleja M, Plaza-Nieto JF, Pilo-de-la-Fuente B, Arroyo-Solera M, García-Martín E, Agúndez JA. The solute carrier family 1 (glial high affinity glutamate transporter), member 2 gene, SLC1A2, rs3794087 variant and assessment risk for restless legs syndrome. *Sleep Med*. 2013 Dec 22. pii: S1389-9457(13)02026-1. doi: 10.1016/j.sleep.2013.08.800.
31. **Cubo E**, Doumbe J, Martinez-Martin P, Rodriguez-Blazquez C, Kuate C, Mariscal N, Lopez I, Noubissi G, Mapoure YN, Jon JL, Mbahe S, Tchaleu B, Catalan MJ; ELEP Group. Comparison of the clinical profile of Parkinson's disease between Spanish and Cameroonian Cohorts. *J Neurol Sci*. 2014 Jan 15;336(1-2):122-6.
32. **Cubo E**, López Peña MJ, Diez-Feijo Varela E, Pérez Gil O, Garcia Gutierrez P, Arous González E, Prieto Tedejo R, Mariscal Pérez N, Armesto D.. Lack of association of morphologic and functional retinal changes with motor and non-motor symptoms severity in Parkinson's disease. *J Neural Transm*. 2013 Sep 29 0.1016/j.jns.2013.10.021.
33. Kurtis MM, Rodriguez-Blazquez C, Martinez-Martin P; **ELEP Group**. Relationship between sleep disorders and other non-motor symptoms in Parkinson's disease. *Parkinsonism Relat Disord*. 2013 Dec;19(12):1152-5.
34. Metzger S, Walter C, Riess O, Roos RA, Nielsen JE, Craufurd D; **REGISTRY Investigators of the European Huntington's Disease Network**, Nguyen HP. The V471A polymorphism in autophagy-related gene ATG7 modifies age at onset specifically in Italian Huntington disease patients. *PLoS One*. 2013 Jul 22;8(7):e68951.
35. Hubers AA, van Duijn E, Roos RA, Craufurd D, Rickards H, Bernhard Landwehrmeyer G, van der Mast RC, Giltay EJ; **REGISTRY investigators**

- of the European Huntington's Disease Network.** Suicidal ideation in a European Huntington's disease population. *J Affect Disord.* 2013 Oct;151(1):248-58.
36. **Cubo E**, González M, Singer H, Mahone EM, Scahill L, Müller-Vahl KR, de la Fuente-Fernández R, Armesto D, Kompolti K. Impact of placebo assignment in clinical trials of tic disorders. *Mov Disord.* 2013 Aug;28(9):1288-92.
37. **Cubo E**, Trejo J, Ausín V, Sáez S, Delgado V, Macarrón J, Cordero J, Louis ED, Kompolti K, Benito-León J. Association of tic disorders with poor academic performance in central Spain: a population-based study. *J Pediatr.* 2013 Jul;163(1):217-23.e1-3.
38. Jiménez-Jiménez FJ, Alonso-Navarro H, Martínez C, Zurdo M, Turpín-Fenoll L, Millán J, Adeva-Bartolomé T, **Cubo E**, Navacerrada F, Calleja M, Plaza-Nieto JF, Pilo-de-la-Fuente B, Arroyo-Solera M, Rojo-Sebastián A, Rubio L, Agúndez JA, García-Martín E. Dopamine receptor D3 (DRD3) gene rs6280 variant and risk for restless legs syndrome. *Sleep Med.* 2013 Apr;14(4):382-4.
39. Roco A, Jiménez-Jiménez FJ, Alonso-Navarro H, Martínez C, Zurdo M, Turpín-Fenoll L, Millán J, Adeva-Bartolomé T, **Cubo E**, et al. MAPT1 gene rs1052553 variant is unrelated with the risk for restless legs syndrome. *J Neural Transm.* 2012; 120(3):463-7
40. Jiménez-Jiménez FJ, Alonso-Navarro H, Martínez C, Zurdo M, Turpín-Fenoll L, Millán J, Adeva-Bartolomé T, **Cubo E**, Navacerrada F, Calleja M, Plaza-Nieto JF, Pilo-de-la-Fuente B, Arroyo-Solera M, Rojo-Sebastián A, Rubio L, Agúndez JA, García-Martín E. Dopamine receptor D3 (DRD3) gene rs6280 variant and risk for restless legs syndrome. *Sleep Med.* 2013 Jan 9. doi: S1389-9457
41. Lee JM, Ramos EM, Lee JH, Gillis T, Mysore JS, Hayden MR, Warby SC, Morrison P, Nance M, Ross CA, Margolis RL, Squitieri F, Orobello S, Di Donato S, Gomez-Tortosa E, Ayuso C, Suchowersky O, Trent RJ, McCusker E, Novelletto A, Frontali M, Jones R, Ashizawa T, Frank S, Saint-Hilaire MH, Hersch SM, Rosas HD, Lucente D, Harrison MB, Zanko A, Abramson RK, Marder K, Sequeiros J, Paulsen JS; PREDICT-HD study of the Huntington Study Group (HSG), Landwehrmeyer GB; **REGISTRY study**

- of the European Huntington's Disease Network**, Myers RH; HD-MAPS Study Group, MacDonald ME, Gusella JF; COHORT study of the HSG. CAG repeat expansion in Huntington disease determines age at onset in a fully dominant fashion. *Neurology*. 2012 Mar 6;78(10):690-5
42. Martinez-Martin P, Hernandez B; **Q10 Study Group**. The Q10 questionnaire for detection of wearing-off phenomena in Parkinson's disease. *Parkinsonism Relat Disord*. 2012; 18(4):382-5
 43. **Cubo E**, Benito-León J, Coronell C, Armesto D; ANIMO Study Group. Clinical correlates of apathy in patients recently diagnosed with Parkinson's disease: the ANIMO study. *Neuroepidemiology*. 2012;38(1):48-55.
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 74. Cubo E, Goetz C.. Paroxysmal Movement Disorders. Published in Encyclopedia of Neurological Sciences 2nd edition, edited by Michael J. Aminoff and Robert B. Daroff.
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PRESENTATIONS IN CONGRESSES

Pósters

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9. K Kompoliti, CG Goetz, DC Gadjusek, E Cubo. Movement Disorders in kuru. 5th International Congress of Parkinson's Disease and Movement Disorders. New York, October 10-14, 1998.
10. Parkinson's Disease Rating Scale Motor Examination. Factor Structure in Progressive Supranuclear Cubo E, Stebbins Gt, Golbe LI, Nieves A V, Goetz CG. Unified Parkinson's Palsy. Neurology (suppl 2),52:226.
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44. Impact of sleep problems on health-related quality of life of Parkinson's Disease patients and their caregivers. P Martinez Martin, MVisser, C Rodriguez-Blazquez, J Marinus J, B Frades, S Arroyo-Velasco, JJ van Hilten, on behalf of the SCOPA-Propark and ELEP Groups. Poster Session: The use of SCOPA scales or data obtained from cohort study SCOPA-PROPARK or the Spanish equivalent the ELEP study. XXVIIth World Congress on Parkinson's Disease and Related Disorders. Amsterdam (The Netherlands), Diciembre 2007.
45. Prevalencia del síndrome de piernas inquietas en la población adulta de Burgos. Resultados preliminares. M Barroso Perez, J Cordero

- Guevara, E Cubo Delgado, et al. Presentado en el Congreso Regional de Medicina de Familia de Castilla y León , Junio 2008.
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 49. Prevalencia de Tics y otros comportamientos motores repetitivos, en niños escolarizados en Centros de Educación Especial en Burgos y su provincia. Acta de Congreso: VI Congreso Internacional y XXVI jornada nacionales de Universidades y educación especial. Atención a la diversidad: Un reto para la convergencia europea. 2009; Póster. Cuenca. ISBN: 978-84-692-0501-3.
 50. Escala A-TAC: Estudio de validación de la versión española en el screening de autismo (TEA). XXIV Congreso de la Asociación Española de Neuropsiquiatría, 2009; Cádiz. Póster
 51. Impacto del criterio de organización y ubicación en el aula en el rendimiento académico del alumnado. XIV Congreso Nacional de Modelos de Investigación Educativa. Educación, Investigación y Desarrollo social. 2009, Huelva. Póster. ISBN del acta publicada 978-84-95944-24-5.
 52. Estudio del rendimiento académico entre la población inmigrante en la provincia de Burgos. XIV Congreso Nacional de Modelos de Investigación Educativa. Educación, Investigación y Desarrollo social. 2009, Huelva. Póster. ISBN del acta publicada 978-84-95944-24-5
 53. Prevalence and clinical characteristics of tics and other repetitive movement disorders in children with mental disability. Movement

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54. Esther Cubo, MD, PhD, Jacques Doumbe, MD, Pablo Martinez-Martin, MD, PhD, Carmen Rodriguez-Blazquez, MD, Callixte Kuate, MD, Natividad Mariscal, Rn, Irene Lopez, MD and Maria-Jose Catalan, MD, PhD. Parkinson´s disease clinical profile in Cameroon: a comparison between Spanish and Cameroonian cohorts. The 65th Annual Meeting of the American Academy of Neurology, San Diego, 2013
55. Cubo E. Montes hortigela, Emilio Sastre, Selva ciciliani, Sandra Jorge Roldan, Patricia lopez Leticia Velasco. Prenatal and perinatal morbidity in children with tic disorders. A mainstream school-based population study in central Spain. The 65th Annual Meeting of the American Academy of Neurology, San Diego, 2013

Oral Communications

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2. Cubo E, Alvarez E, Morant C, et al. Estudio de carga de enfermedad de Parkinson. LVI Reunión anual de la Sociedad Española de Neurología. Abstract publicado en Neurología 2004; 19:516
3. Cubo, Rojo A, Gonzales M, et al. Estudio de la relación entre estado motor y alucinaciones en la enfermedad de Parkinson. LVI Reunión anual de la Sociedad Española de Neurología. Abstract publicado en Neurología 2004; 19:460.
4. Cubo E, Fernández Jaen A, Moreno C, et al. Estudio de la eficacia y tolerabilidad del donepezilo en pacientes con tics y síndrome de déficit de atención e hiperactividad. LVII Reunión Anual de la Sociedad Española de Neurología. 2005. Abstract publicado en Neurología,2005;20:482
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6. Aguilar M, Rojo A, Salvador Aguiar C, Menéndez L, Blázquez Estrada M, Gonzalez Bonzalez S, Cubo E, y col. Scopa-Cog, un instrumento de detección y seguimiento del deterioro cognitivo de la enfermedad de Parkinson. LVII Reunion Sociedad Española de Neurología. Abstract publicado en Neurología,2006;20:484.
7. Martinez Castrillo JC, Mendoza A, Duran C, Cubo E, y col. Estudio piloto de la escala Scopa autonómica para la evaluación de la disfunción autonómica en la enfermedad de Parkinson. LVIII. Reunion Sociedad Española de Neurología. Abstract publicado en Neurología,2006;20:504
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9. Esther Cubo, Miguel Gonzalez, Harvey Singer, Marc E Mahone, Kirsten R Muller-Vahl, Lawrence Scahill, Raúl de la Fuente-Fernández. Análisis del Efecto Placebo en el Síndrome de Tourette. LX Reunión de la Sociedad Española de Neurología.
10. Esther Cubo Delgado, Mateo Diez López, Jon Infante Ceberio, José Angel Berciano Blanco, José Obeso, Fernando Iglesias Diez, Begoña Miguel Martinez, Isabel Lanchas Alfonso. Afectación del sistema dopaminergico nigroestriatal en la ataxia espinocerebelosa tipo 3. LX Reunión de la Sociedad Española de Neurología
11. Cubo E, Trejo Gabriel y Galan JM, Cordero Guevara J, Saez Velasco S,et al. Validation of a screening tool for tic Disorders. First International Congress in Neuroepdimiology, Munich 2009. Abstract publicado en Neuroepidemiology 2009;33:137.
12. Cubo, Esther¹;Trejo Gabriel y Galán, José M.¹;Ausín, Vanesa¹;Delgado, Vanesa¹;Saez, Sara¹;Cordero, José²;Macarrón, Jesús¹;Martín, Asunción¹;Benito, Julián³ Validación de método de cribaje para los trastornos con tics en la población infanto-juvenil. LXI Reunión de la Sociedad Española de Neurología, Barcelona, Noviembre 2010
13. Cubo, Esther¹;González, Miguel²;Del Puerto, Inés M.²;Fernández Arconada, Olga¹;García de Yebenes, Justo³;, European Huntington's Disease Initiative Study Group. Análisis del efecto

- placebo y su estabilidad temporal en la enfermedad de Huntington.
LXI Reunión de la Sociedad Española de Neurología
14. Cubo E, Benito-Leon J, Coronell C, and the Animo Study Group. The impact of dopaminergic drugs on apathy in Parkinson's disease. The Animo Study Group. 63th Annual Meeting of the American Academy of Neurology, 2011, Hawaii, USA
 15. Cubo E, Yang C, Fernandez Arconada, et al. The validity of web-based assessments (WBA) in Parkinson's disease compared to office-based assessments (OBA) (gold standard). 63th Annual Meeting of the American Academy of Neurology, 2011, Hawaii, USA.
 16. Cubo E, Ausin V, Delgado V, et al. Impact of tics on academic performance in schoolchildren in Central Spain.). 64th Annual Meeting of the American Academy of Neurology, New Orleans, USA 2012.
 17. S. Jorge Roldán¹, P. López Sarnago¹, L. Velasco Palacios¹, E. Cubo Delgado¹, M.M. Hortiguela Saeta², S. Esther Ciciliani³ y E. Sastre Huerta. Estudio caso-control de factores de riesgo perinatal para tics en una población escolar.. LXIV Reunión anual de la Sociedad Española de Neurología. Barcelona 20-24 de noviembre de 2012
 18. . F.J. Jiménez Jiménez¹, H. Alonso Navarro¹, C. Martínez Oliva², M. Zurdo Hernández³, L. Turpín Fenoll⁴, J. Millán Pascual⁴, T. Adeva Bartolomé⁵, E.Cubo Delgado⁶, F. Navacerrada Barrero¹, A. Rojo Sebastián⁷, L. Rubio Pérez⁷, M. Calleja López¹, J.F. Plaza Nieto¹, B. Pilo de la Fuente¹, M. Arroyo Solera¹, J.A. García Agúndez² y E. García Martín⁸. Variantes del polimorfismo RS6280 del gen del receptor dopaminérgico D3 (DRD3) y riesgo para el síndrome de piernas inquietasLXIV Reunión anual de la Sociedad Española de Neurología. Barcelona 20-24 de noviembre de 2012
 19. . E.Cubo Delgado¹, M.J. López Peña², O. Pérez Gil³, E. Díez-Feijóo Varela², P. García Gutiérrez³, N. Mariscal Pérez¹, E. Arous González³ y R. Prieto Tedejo¹. Estudio funcional y morfológico de la retina como marcador biológico de la enfermedad de Parkinson LXIV Reunión anual de la Sociedad Española de Neurología. Barcelona 20-24 de noviembre de 2012

Appendix

Education (Other Courses and Seminars)

- Introduction to the applications of Information Technology to Psychology, 1986. "Universidad de Educación a Distancia", Merida, Spain.
- II International Conference: Medical Video-Films. 1986." Diputacion Provincial de Badajoz." Spain.
- Clinical Allergology. 1990. "Hospital Infanta Cristina" - Badajoz, Spain..
- VI Course of Physiology and Medicine of Physical Education and Sports. 1990."Universidad de Extremadura", Spain.
- Antibiotics. 1990. "Universidad de Extremadura", Spain.
- Euroamerican Days of Medicine. 1991."Extremeña Society of Internal Medicine", Spain.
- Pain therapy. 1991. "Universidad de Extremadura", Spain.
- III Course of Basic Dermatology for General Medical Doctors. "Universidad de Extremadura y Sociedad Extremeña de Dermatología y Venereología", Spain.
- XLVI yearly meeting of the Spanish Society of Neurology. December 1994 - Barcelona, Spain.
- Brain aging process. 1994. Universidad Complutense, Madrid, Spain.
- Development of CNS, 1994. Universidad Complutense, Madrid, Spain.
- Sensorial Neurobiology, 1994. Universidad Complutense, Madrid, Spain.
- Neurochemical aspects of the Drug Addiction, 1994. Universidad Complutense, Madrid, Spain.
- Neural Mechanisms of Memory and Learning, 1994. Universidad Complutense, Madrid, Spain.
- Molecular Biology Principles, 1995. Universidad Complutense, Madrid, Spain.
- Neurotransmitter and the brain aging process, 1995. Universidad Complutense, Madrid, Spain.
- Neuromorphology, 1995. Universidad Complutense, Madrid, Spain..
- PET-SPECT in Neuropsychiatry, 1995. Universidad Complutense, Madrid, Spain.
- III International Simposyum epilepsy of the temporal lobe. Unit of Epilepsy of "Clinica de la Luz", Madrid, February1995, Spain.
- II International course of progress in Neuropediatrics. 1995, Nino Jesus

Hospital, Madrid, Spain..

- Advances in Neurogeriatry. 1996. Getafe University Hospital, Madrid, Spain.

- Advances in RCP, 1996. Hospital Clinico San Carlos, Madrid, Spain.

- Alzheimer's Disease: Research and Therapeutic Advances. Chicago, Illinois. Abril, 1996, USA.

- III Curso Anual de Transtornos del Movimiento. SEN. Malaga, octubre, 1996, Spain.

- I Curso Nacional de Enfermedad de Alzheimer. Pamplona, octubre, 1996, Spain.

- Parkinson's Disease. Treatment with "Old and New" Medicines-Practical Issues. Octubre 1997, Rosemont, Illinois, USA.

- Practical management of spasticity. November 1997, Rosemont, Illinois, USA.

- Twenty-fourth Annual Course on computed tomography and Magnetic resonance imaging of the brain, head, neck, and spine. October, 1997, Chicago, Illinois, USA.

- 11th Neurodegenerative Diseases Symposium. Keystone, Colorado, 1998, USA.

- Unusual Movement Disorders II. American Academy of Neurology, Minneapolis, April 1998, USA.

- Pitfalls in Diagnosis&Prognosis of vegetative state. American Academy of Neurology, Minneapolis, April 1998, USA.

- Clinical Neuroimaging. American Academy of Neurology, Minneapolis, April 1998, USA.

- Myoclonus: Clinical Syndromes and Treatment. American Academy of Neurology, Minneapolis, April 1998, USA.

- Gait and balance difficulties. American Academy of Neurology, Toronto, 1999, Canada.

- Innovative surgical treatments of movement disorders. American Academy of Neurology, Toronto, 1999, Canada.

- Clinical usefulness of botullinum toxin. American Academy of Neurology, Toronto, 1999, Canada.

- Wilson's Disease. XIII International Congress on Parkinson's disease, Vancouver, 1999, Canada.

- Vision and speech in Parkinson's disease. XIII International Congress on Parkinson's disease, Vancouver, 1999, Canada

- Neural degeneration and neural plasticity in Parkinson's disease. XIII

International Congress on Parkinson's disease, Vancouver, 1999, Canada.

Innovative Surgical Treatments of Movement disorders. American Academy of Neurology, San Diego, USA.

Unusual Movement Disorders I. American Academy of Neurology, San Diego, 2000, USA.

Unusual Movement Disorders II. American Academy of Neurology, San Diego, 2000, USA.

Neurorehabilitation: Expanding the Scope of Practice. American Academy of Neurology, San Diego, 2000, USA.

Neuropsychological Rehabilitation. American Academy of Neurology, San Diego, 2000, USA.

Gait disorders. The Movement Disorder Society's 6th International Congress of Parkinson's Disease and Movement Disorders, Barcelona, 2000, Spain.

Huntington therapeutics. The Movement Disorder Society's 6th International Congress of Parkinson's Disease and Movement Disorders, Barcelona, 2000, Spain.

Innovative Surgical Treatments of Movement disorders. American Academy of Neurology, Philadelphia, 2001, USA.

Unusual Movement Disorders I. American Academy of Neurology, Philadelphia, 2001, USA.

Neurological Movement Disorders in children. American Academy of Neurology, Philadelphia, 2001 USA.

Treatment of dementia, American Academy of Neurology, Philadelphia, 2001, USA.

De la retrogenesis a la intervencio cognitive en la malaltia d' Alzheimer. Barcelona, 2001, Spain.

Parkinson and sep. Barcelona 2001, Spain.

V Course of basic electromiography for neurologists. Madrid 2002, Spain.

VII International Congress of Parkinson's disease and other movement disorders. Miami 2002, USA.

Teaching Experience

1995: Faculty: Headache in male patient without pathologic previous disease. Hospital Clinico Universitario San Carlos, Madrid, Spain.

2000: Faculty:

1. The Basal Ganglia. Rush University, Chicago, IL, USA.

2. Faculty: Parkinson's disease. University of Illinois. Chicago, IL, USA.

2001: Faculty:

1. Visual strategy in rehabilitation of Parkinson's disease gait disorders. Anatomy Department. Universidad de Navarra, Pamplona, Spain.
2. Treatment of dystonia. Dystonia support group. Medical License boarding Department. Barcelona, Spain.
3. The efficacy of wheeled and standard walkers on gait freezing in Parkinson's disease. Hospital Clinico. Barcelona.

2002: Faculty:

1. Síndrome Gilles de la Tourette. Hospital Ruber Internacional. Madrid, Spain.
2. Update in Tourette síndrome. Colegio de Medicos, Madrid, Spain.
3. Tourette síndrome and Movement Disorders. I National Symposium of Tourette syndrome. Cordoba, Spain.
4. I Educational conference about Parkinson's disease. Clinica del Rosario, Madrid, Spain.

2003: Faculty

1. Parkinson disease motor symptoms. Parkinson's disease Association, Mérida, España.
2. Síndrome de Gilles de la Tourette. Jornada Nacional sobre el síndrome de Tourette, Medical School, Córdoba.
3. Use of wheeled walkers in Parkinson's disease. Movement Disorders Group. Tordesillas.
4. Il jornada de Parkinson, Asociación de Parkinson, Madrid, 2003.
5. Clinical and therapeutic aspects of Tourette síndrome. Colegio de Médicos, noviembre 2003, Madrid.
6. Quality of life of patients with dystonia, tics and chorea. LV Reunión anual de la sociedad española de Neurología, Barcelona, Spain.
7. VI Update Meeting about Movement Disorders, Parkinson disease and psychogenic movement disorders (Reunión Dr. Mariano Pastor). Sevilla.

2004 Faculty

1. The use of metronome for Parkinson's disease. Hospital de Toledo. Reunión grupo centro de Trastornos del movimiento. Toledo.
2. Tourette síndrome. Update for primary care doctors. Fundación Hospital de Alcorcón, Madrid.
3. Clinical manifestations and treatment of tic Disorders. II National Congress of Tourette síndrome and Other tic Disorders. Madrid.
4. Gait Disorders in myopathies and peripheral nerve Disorders. LVI Reunión anual de la Sociedad Española de Neurología. Barcelona.
5. Gait Disorders in Parkinson's disease. Parkinson disease association, Madrid.

2005 Faculty

1. Academic problems in students with tic Disorders. II Jornada psicoeducativa Síndrome de Tourette. Madrid.
2. Treatment of Parkinson's disease. Parkinson Disease Association, Extremadura. Junta de Extremadura. May 2005
3. Treatment of Parkinson's disease. Parkinson Disease Association, Extremadura. Junta de Extremadura. October 2005
4. Treatment of non motor symptoms in Parkinson's disease. Parkinson disease association, Madrid.

2006 Faculty

1. Pharmacological treatment in Parkinson's disease. Parkinson Disease Association, Extremadura, Spain.
2. Academic impact of Tourette Syndrome, Imsero, Madrid.
3. Urgencias en patología infecciosa en Neurología. Curso de actualización en Urgencias. Hospital General Yagüe.

2007 Faculty

1. Update about Movement Disorders. Primary Care Service, Burgos, Spain.
2. Management of patients with epilepsy. Primary Care Service. Burgos, Spain.

2008 Faculty

- Huntington Disease Association, Burgos, Spain
- Update in Movement Disorders. Area Atención Primaria Burgos

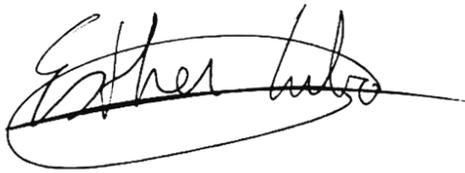
2009 Faculty

- Parkinson´Disease Association in Burgos
Update in Movement Disorders. Primary Care Service, Burgos, Spain.
Update in Parkinson´s disease. Spanish Movement disorders Society, Barcelona,Spain.
- 2010 Faculty
Huntington Disease Association in Burgos,
Update in Movement Disorders. Primay Care Service, Burgos, Spain.
- 2011 Faculty
Huntington Disease Association in Burgos
Update in Movement Disorders. Primary Care Service Burgos
- 2012 Faculty
Huntington Disease update in the HD Association in Burgos, Salamanca, and Madrid
Update about Parkinson´s disease. Neurological Society of Castilla y Leon, Valladolid, Spain.
- 2013 Faculty
Huntington Disease update in the HD association in Madrid and Salamanca.
Controversy in Parkinson´s disease, Madrid, Spain.
Management of patients with Duodopa, Hospital Universitario of Burgos, Spain.
Management of patients with Duodopa, Tordesillas, Spain.
- 2014 Faculty
Management of patients with Duodopa. Hospital Rio Ortega, Valladolid, Spain
Clinical Round. Hospital Universitario Burgos, Spain.
Management of patients with Duodopa. Spanish neurological association. VX Meeting, Valencia, Spain.
- 2015 Management of patients with Duodopa. Patients selection.Hospital Universitario of Burgos, Spain.
- 2016 Management of patients with Duodopa. Patients selection.Parador de Tordesillas, Spain.
- 2017 Huntington´s Disease. An unknown and uncommon disease. Hospital Universitario Burgos, May 2017.

Management of Parkinson Disease. Burgos Medical Association.

Date: 18-August-2017

Signature:

A handwritten signature in black ink, appearing to read "Esther Lobo". The signature is written in a cursive style and is enclosed within a large, horizontal oval loop.