

CURRICULUM VITAE



Name: CLOTILDE
Last Name: VÁZQUEZ MARTINEZ

CURRENT PROFESSIONAL AFFILIATION: **Head of the Department of Endocrinology, Nutrition and Obesity**
Fundación Jiménez Díaz-IDC Hospital
Plaza Cristo Rey. Madrid 28040 (Spain)

ACADEMICAL DATA

1977	Bachelor Degree in Medicine University of Valencia (Spain)
1982-	Endocrinology and Nutrition Speciality Autónoma University of Madrid, (Spain)
1990	Doctorate degree in Medicine (Endocrinology and Nutrition) Autónoma University of Madrid, (Spain).
2013	Assistant Professor. Department of Medicine. Universidad de Alcalá de Henares
2011	Scientific Director of the Master "Obesity and its comorbidities". 60 ECT's. Universidad de Alcalá de Henares
2014	Assistant Professor . Department of Medicine. Universidad Autónoma . Madrid
2015	Co-Director of the Master "Obesity and its comorbidities". 60 ECT's. Universidad Rey Juan Carlos. Madrid
2016	Associate Professor. Department of Medicine. Universidad Autónoma . Madrid

PROFESSIONAL EXPERIENCE

1979-1982	Medical internship (Endocrinology and Nutrition) Fundación Jiménez-Díaz hospital (Madrid).
1983-1986	Endocrinology and Nutrition Department. Medical fellowship. Fundación Jiménez-Díaz hospital (Madrid).
1986-1990	Endocrinology and Nutrition Service, Medical Specialized Area staff. Severo Ochoa Hospital (Leganés, Madrid).
1990-1999	Head of the Section of Endocrinology and Nutrition.

Severo Ochoa Hospital (Leganés, Madrid).

- 2000- 2013 Head of the Section of Endocrinology and Nutrition
Ramón y Cajal Hospital (Madrid).
- 2014.... Corporate Head of the Department of Endocrinology, Nutrition and Obesity
Fundación Jiménez Díaz-IDC Hospital, Hospital Universitario Rey Juan Carlos, Hospital Universitario Infanta Elena, and Hospital General Villalba, Madrid

PROFESSIONAL EXPERTISE

- 2009-2011 Coordinator of the Taskforce “Therapeutic education in Diabetes” ,of the Spanish Society of Diabetes
- 2012 President of the SENDIMAD (Sociedad Madrileña de Endocrinología, Nutrición y Diabetes) Society
- 2012 Scientific Director of “Diabetes” (magazine edited by the Spanish Diabetes Society)
- 2013 Associated Professor. Department of Medicine. Universidad de Alcalá de Henares. Madrid
- 2014 Associated Professor. Department of Medicine. Universidad Autónoma. Madrid

Publications (selection):

Vázquez Martínez C, Galán P, Preziosi P, Ribas L, Serra LL, Herberg S. [The SUVIMAX (France) study: the role of antioxidants in the prevention of cancer and cardiovascular disorders]. *Rev Esp Salud Publica*. 1998 May-Jun;72(3):173-83.Spanish. PubMed PMID: 9810825.

Martínez de Icaya P, Fernández C, Vázquez C, del Olmo D, Alcázar V, Hernández M. IGF-1 and its binding proteins IGFBP-1 and 3 as nutritional markers in prepubertal children. *Ann Nutr Metab*. 2000;44(4):139-43. PubMed PMID: 11111127.

Serra-Majem L, Ribas L, Ngo J, Aranceta J, Garaulet M, Carazo E, Mataix J,Pérez-Rodrigo C, Quemada M, Tojo R, Vázquez C. Risk of inadequate intakes of vitamins A, B1, B6, C, E, folate, iron and calcium in the Spanish population aged 4 to 18. *Int J Vitam Nutr Res*. 2001 Nov;71(6):325-31. PubMed PMID: 11840835.

Gómez Candela C, Cos Blanco A, García Luna PP, Pérez de la Cruz A, Luengo Pérez LM, Iglesias Rosado C, Vázquez C, Koning A, Planas M, Camarero E,Wanden-Berghe C, Chamorro J, Pereira JL, Mellado C, Morera M. [Complications of enteral nutrition at home. Results of a multicentre trial]. *Nutr Hosp*. 2003 May-Jun;18(3):167-73. Spanish. PubMed PMID: 12875093.

de Cos AI, Gómez Candela C, Vázquez C, López Santamaría M, Vicente E; Grupo NADYA-SENPE. [Intestinal transplant in patients with parenteral nutrition at home.]. *Nutr Hosp*. 2003 Nov-Dec;18(6):325-30. Spanish. PubMed PMID: 14682178

Vázquez C, Morejón E, Muñoz C, López Y, Balsa J, Koning MA, Maldonado A,García G, Peromingo R, Fresneda V. [Nutritional effect of bariatric surgery with Scopinaro operation. Analysis of 40 cases]. *Nutr Hosp*. 2003 Jul-Aug;18(4):189-93. Spanish. PubMed PMID: 12884474.

del Olmo D, López del Val T, Martínez de Icaya P, de Juana P, Alcázar V,Koning A, Vázquez C. [Fiber in enteral nutrition: systematic review of the literature]. *Nutr Hosp*. 2004 May-Jun;19(3):167-74. Review. Spanish. PubMed PMID: 15211726.

Garzón S, Santos E, Palacios N, Vázquez C. [Proteic malnutrition associated to bacterial overgrowth after Scopinaro bibliopancreatic diversion]. *Med Clin (Barc)*. 2004 May 29;122(20):797-8. Spanish. PubMed PMID: 15207112.

Vázquez Martínez C, Alfred Konning M, Yuste Grijalba FJ, Abraíra Santos V.[Application of GIQLI questionnaire to two groups of healthy yogurt consumers]. *Nutr Hosp*. 2005 Nov-Dec;20(6):420-8. Spanish. PubMed PMID: 16335027.

Vázquez C, Alcaraz F, Botella-Carretero JI, Zamarrón I, Balsa J, Arrieta F,Carabaña F, Garriga M, Montagna C, Secos J, Barreales P, Martínez C, de la Cruz P. [Probesci strategy: a cheaper therapeutic approach for obese patients]. *Nutr Hosp*. 2006 Nov-Dec;21(6):699-703. Spanish. PubMed PMID: 17147069.

Vázquez C, Reyes R, Alcaraz F, Balsa JA, Botella-Carretero JI. [Eucaloric substitution of medium chain triglycerides for dietary long chain fatty acids improves body composition and lipid profile in a patient with human immunodeficiency virus lipodystrophy]. *Nutr Hosp*. 2006 Jul-Aug;21(4):552-5.Spanish. PubMed PMID: 16913216.

Botella-Carretero JI, Alvarez-Blasco F, Villafruela JJ, Balsa JA, Vázquez C, Escobar-Morreale HF. Vitamin D deficiency is associated with the metabolic syndrome in morbid obesity. *Clin Nutr*. 2007 Oct;26(5):573-80. Epub 2007 Jul 10.PubMed PMID: 17624643.

Vázquez C, Alcaraz F, Balsa JA, Zamarrón I, Arrieta F, Botella Carretero JI. [Prevalence of psychiatric cases in overweight or obese patients attended in a hospital outpatient clinic]. *Med Clin (Barc)*. 2008 Jan 26;130(2):41-6. Spanish. PubMed PMID: 18221670.

Arrieta Blanco FJ, Cabrera R, Piñera M, Gómez FJ, Aragón C, Salinero M, Balsa J, Zamarrón I, Vázquez C. [Poisonings by oral antidiabetic drugs in Spain. Analysis and evolution during 13 years (1991-2003)]. *Rev Clin Esp.* 2008 Jun;208(6):276-80. Spanish. Erratum in: *Rev Clin Esp.* 2008 Sep;208(8):385. Cabrera, R [added]; Piñera, M [added]; Gómez, F J [added]; Aragón, C [added]; Salinero, M [added]; Balsa, J [added]; Zamarrón, I [added]; Vázquez, C [added]. PubMed PMID: 18620651

Balsa JA, Botella-Carretero JI, Peromingo R, Zamarrón I, Arrieta F, Muñoz-Malo T, Vázquez C. Role of calcium malabsorption in the development of secondary hyperparathyroidism after biliopancreatic diversion. *J Endocrinol Invest.* 2008 Oct;31(10):845-50. PubMed PMID: 19092286.

Arrieta FJ, Gómez FJ, Aragón C, Rueda A, Balsa JA, Zamarrón I, Carrero C, Botella Carretero JI, Montalbán C, Vázquez C. [Importance of artificial nutrition in the resolution and etiologic diagnosis of severe chronic diarrhea: a propos of a case]. *Nutr Hosp.* 2008 Jul-Aug;23(4):408-10. Spanish. PubMed PMID: 18604328.

Botella-Carretero JI, Balsa JA, Vázquez C, Peromingo R, Díaz-Enriquez M, Escobar-Morreale HF. Retinol and alpha-tocopherol in morbid obesity and non-alcoholic fatty liver disease. *Obes Surg.* 2010 Jan;20(1):69-76. Epub 2008 Oct 2. PubMed PMID: 18830789.

Vázquez Martínez C. [Malnutrition in internal medicine: The importance of a great unknown]. *Rev Clin Esp.* 2010 Oct;210(9):454-6. Epub 2010 Sep 18. Spanish. PubMed PMID: 20850715.

Vázquez Martínez C. [The difficult road of the treating physician]. *Rev Clin Esp.* 2009 Nov;209(10):516-8. Spanish. PubMed PMID: 19889322.

Vázquez C, Montagna C, Alcaraz F, Balsa JA, Zamarrón I, Arrieta F, Botella-Carretero JI. Meal replacement with a low-calorie diet formula in weight loss maintenance after weight loss induction with diet alone. *Eur J Clin Nutr.* 2009 Oct;63(10):1226-32. Epub 2009 Jun 17. PubMed PMID: 19536165.

Botella-Carretero JI, Iglesias B, Balsa JA, Arrieta F, Zamarrón I, Vázquez C. Perioperative oral nutritional supplements in normally or mildly undernourished geriatric patients submitted to surgery for hip fracture: a randomized clinical trial. *Clin Nutr.* 2010 Oct;29(5):574-9. Epub 2010 Mar 2. PubMed PMID: 20199828.

Carrero Caballero MC, Botella Carretero JI, Vázquez C, Zamarrón I, Balsa J, Arrieta F. [Patients in need of parenteral nutrition in their homes using a PICC catheter]. *Rev Enferm.* 2009 Oct;32(10):44-6. Spanish. PubMed PMID: 20014626.

Botella-Carretero JI, Iglesias B, Balsa JA, Zamarrón I, Arrieta F, Vázquez C. Effects of oral nutritional supplements in normally nourished or mildly undernourished geriatric patients after surgery for hip fracture: a randomized clinical trial. *JPEN J Parenter Enteral Nutr.* 2008 Mar-Apr;32(2):120-8. PubMed PMID: 18407904.

Balsa JA, Iglesias B, Peromingo R, Conde S, Vazquez C, San-Millan JL, Botella-Carretero JI. Vitamin D receptor polymorphisms in secondary hyperparathyroidism after scopolamine's biliopancreatic diversion. *Obes Surg.* 2010 Oct;20(10):1415-21. PubMed PMID: 20383754

Balsa JA, Botella-Carretero JI, Peromingo R, Caballero C, Muñoz-Malo T, Villafuella JJ, Arrieta F, Zamarrón I, Vázquez C. Chronic increase of bone turnover markers after biliopancreatic diversion is related to secondary hyperparathyroidism and weight loss. Relation with bone mineral density. *Obes Surg.* 2010 Apr;20(4):468-73. PubMed PMID: 19937150.

S Rodriguez-Acebes, Palacios N, Botella-Carretero JI, Olea N, Crespo L, Peromingo R, Gomez-Coronado D, Lasuncion MA, Vázquez-Martínez C, Martínez-Botas J. Gene expression profiling of subcutaneous adipose tissue in morbid obesity using a focused microarray: distinct expression of cell-cycle-and-differentiation-related-genes *BMC Medical genomics* 2010; 3:61

Arrieta-Blanco F, Botella-Carretero JI, Iglesias P, Balsa JA, Zamarrón I, De la Puerta C, Arrieta JJ, Ramos F, **Vázquez C**, Rovira A. Insulin action in adipose tissue in type 1 diabetes. *Int J Gen Med.* 2011 Feb 22;4:153-7.

P Iglesias, F Arrieta, M Piñera, JI Botella-Carretero, JA Balsa, I Zamarrón, M Menacho, JJ Díez, T Muñoz, **C Vázquez**. Serum concentrations of osteocalcin, procollagen type 1 n-terminal propeptide and beta-cross laps in obese subjects with varying degrees of glucose tolerance. *Clinical Endocrinology* 2011; DOI: 10.1111/ j.1365-2265. FI: 3.201

JI Botella, JM Gómez Martín, C Vázquez. Soporte nutricional en el anciano con fractura de fémur. *Nutr Hosp* 2011; 4 (supl 2): 52-60

Gómez-Martín JM, Martínez-Molina E, Sanjuanbenito A, Martín-Illana E, Arrieta F, Balsa JA, Zamarrón I, Vázquez C, Botella-Carretero JI. Chylous ascites secondary to acute pancreatitis: a case report and review of literature. *Nutr Hosp.* 2012 Jan-Feb;27(1):314-8. PubMed PMID: 22566341.

Ji Botella-Carretero, C Carrero, E Guerra, B Valbuena, F Arrieta, A Calañas, I Zamarrón, C Vázquez. Role of peripherally inserted central catheters (PICC) in home parenteral nutrition (HPN): a 5-year prospective study. *JPEN J Parenter Enteral Nutr.* 2012 Aug 16. [Epub ahead of print]. PMID:22898795 [PubMed - as supplied by publisher]

Vázquez C, Alonso R, Garriga M, de Cos A, de la Cruz JJ, Fuentes-Jiménez F, Salas-Salvadó J, Mata P. Validation of a food frequency questionnaire in Spanish patients with familial hypercholesterolaemia. *Nutr Metab Cardiovasc Dis.* 2012 Oct;22(10):836-42. doi: 10.1016/j.numecd.2011.01.007. Epub 2011 Jun 23. PubMed PMID: 21703832

Botella-Carretero JI, Balsa JA, Gómez-Martín JM, Peromingo R, Huerta L, Carrasco M, Arrieta F, Zamarrón I, Martín-Hidalgo A, Vazquez C. Circulating free testosterone in obese men after bariatric surgery increases in parallel with insulin sensitivity. *J Endocrinol Invest.* 2012 Jun 25. [Epub ahead of print] PubMed PMID: 22732238

“Nutrición” (capítulo 226) LL Serra Majem, C Vázquez Martínez. En: Ferreras-Rozman, Medicina Interna. Rozman C (ed). 17 ed . Elsevier, Barcelona 2012, ISBN 9788480868969

Botella-Carretero JI, Balsa JA, Gómez-Martin JM, Peromingo R, Huerta L, Carrasco M, Arrieta F, Zamarrón I, Martín-Hidalgo A, Vázquez C. Circulating free testosterone in obese men after bariatric surgery increases in parallel with insulin sensitivity. *J Endocrinol Invest*. 2013; 36:227-232. PMID: 22732238.

Soria A, Galdón A, Chacín J, Secos J, Vallejo C, Arrieta F, Calañas A, Zamarrón I, Vázquez C, Botella-Carretero JI. Nutritional support in patients with head and neck cancer during radiotherapy alone or in combined chemo-radiotherapy. *Nutrition Therapy and Metabolism* 2013 (aceptado).

Vázquez C, Botella-Carretero JI, Corella D, Fiol M, Lage M, Lurbe E, Richart C, Fernández-Real JM, Fuentes F, Ordóñez A, de Cos AI, Salas-Salvadó J, Burguera B, Estruch R, Ros E, Pastor O, Casanueva FF; WISH-CARE Study Investigators. White fish reduces cardiovascular risk factors in patients with metabolic syndrome: The WISH-CARE study, a multicenter randomized clinical trial. *Nutr Metab Cardiovasc Dis*. 2014 Mar;24(3):328-35. doi: 10.1016/j.numecd. 2013.09.018. Epub 2013 Nov 1. PubMed PMID: 24462043.

Francisco Arrieta, Carlos Rubio-Terrés, Darío Rubio-Rodríguez, Ana Magan, Marbella Piñera, Pedro Iglesias, Pedro Nogales, Alfonso Calañas, Blanca Novella, José Ignacio Botella-Carretero, Carlos Debán Isabel Zamarrón, Gustavo Mora, José Antonio Balsa y Clotilde Vázquez “Metabolic control and chronic complications during a 3-year follow-up period in a cohort of type 2 diabetic patients attended in primary care in the Community of Madrid (Spain). *ESD-2”*. *Endo Nut* 2014 ; 61:11-17

Clotilde Vázquez, José I. Botella-Carretero, Raimundo García-Albiach, María J. Pozuelo, Mercedes Rodríguez-Baños, Fernando Baquero, María A. Baltadjieva, and Rosa del Campo “Screening in a *Lactobacillus delbrueckii* subsp. *bulgaricus* collection to select a strain able to survive to the Human Intestinal Tract”. *Nutr Hosp* 2013; 28:1227- 35 .

García FB, Sanchez I, Arrieta F, Calañas A, Botella-Carretero JI, Zamarrón I, Vázquez C. [Short bowel syndrome cause of Hypomagnesaemia importance of its diagnosis and treatment]. *Nutr Hosp*. 2014 Feb 1;29(2):456-9. doi: 10.3305/ nh.2014.29.2.7048. Spanish. PubMed PMID: 24528368.

Calderón B, Galdón A, Calañas A, Peromingo R, Galindo J, García-Moreno F, Rodríguez-Velasco G, Martín-Hidalgo A, Vázquez C, Escobar-Morreale HF, Botella-Carretero JI. Effects of Bariatric Surgery on Male Obesity-Associated Secondary Hypogonadism: Comparison of Laparoscopic Gastric Bypass with Restrictive Procedures. *Obes Surg*. 2014 Mar 25. [Epub ahead of print] PubMed PMID: 24664512.

Arrieta F, Balsa JA, de la Puerta C, Botella JI, Zamarrón I, Elías E, Río JI, Alonso P, Candela A, Blanco-Colio LM, Egido J, Navarro P, Vázquez C. A Phase IV Prospective Clinical Study to Evaluate the Effect of Taurine on Liver Function in Postsurgical Adult Patients Requiring Parenteral Nutrition. *Nutr Clin Pract*. 2014 May 14. pii: 0884533614533610. [Epub ahead of print] PubMed PMID: 24829298.

Clotilde Vázquez, Alba Galdón, Ana I. de Cos, Juan S Chacín, Isabel Zamarrón, Delia Barrios, Mercedes Ramírez, Alfonso Calañas³, Francisco Arrieta. Successful Evolution of a Patient with Obesity, Metabolic Syndrome and Severe Gastroesophageal Reflux after Probiotic Intake. *Advances in Obesity, Weight Management & Control* 2014, 2 (1): 00009. DOI: 10.15406/ aowmc.2015.02.00009ss)

Ana Isabel de Cos, Jersy J. Cardenas, Beatriz Pelegrina, María Concepción Roldan, Isabel Calvo, Clotilde Vázquez y Luis Felipe Pallardo Riesgo asociado a obesidad según estadije de Edmonton en cirugía bariátrica. *Nutr Hosp*. 2015; 31:196-202)

Elisa Santacruz Cerdá, Karina Arcano¹, Francisco Arrieta Blanco, Andrés Ortiz Flores, Raquel Mateo Lobo, José Ignacio Botella, Clotilde Vázquez Martínez e Isabel Zamarrón Cuesta. Eficacia de la nutrición parenteral domiciliar de larga evolución con catéter de acceso periférico: a propósito de un caso. *Nutr Hosp*. 2016; 33(1):185-187 ISSN 0212-1611

Zhenyukh O, Civantos E, Ruiz-Ortega M, Sánchez MS, Vázquez C, Peiró C, Egido J, Mas S. High concentration of branched-chain amino acids promotes oxidative stress, inflammation and migration of human peripheral blood mononuclear cells via mTORC1 activation. *Free Radic Biol Med*. 2017 Jan 13;104:165-177. doi: 10.1016 /j.freeradbiomed.2017.01.009. [Epub ahead of print] PubMed PMID: 28089725 .

Nuria Rosique-Esteban, Andre’s Dí’az-Lo’pez, Miguel A. Martí’nez-González, Dolores Corella, Albert Goday, J. Alfredo Martí’nez, Dora Romaguera, Jesus Vioque, Fernando Aro’s, Antonio Garcia-Rios, Francisco Tinahones, Ramon Estruch, Jose’ Carlos Ferná’ndez-García, Jose’ Lapetra, Luí’s SerraMajem, Xavier Pinto, Josep A. Tur, Aurora Bueno-Cavanilla, Josep Vidal, Miguel Delgado-Rodríguez, Lidia Daimiel, Clotilde Vázquez, Miguel Ángel Rubio, Emilio Ros, Jordi Salas-Salvado PREDIMED-PLUS investigators. Leisure-time physical activity, sedentary behaviors, sleep, and cardiometabolic risk factors at baseline in the PREDIMED-PLUS intervention trial: A cross-sectional analysis . *PLOS ONE* | DOI:10.1371/journal.pone.0172253 March 8, 2017

RESEARCH PROJECTS (selection):

A) Clinical Trials Main Investigator (IP):

1998-2000 “Evaluation of 2 different regimens of treatment (continuous and intermittent) in the long-term evolution of patients with loss of weight induced by Sibutramina” (SB110) at the Severo Ochoa hospital, in Leganés, Madrid.

2000-2001	"EFICASE: Evaluation of the coronary risk factors and adherence to Mediterranean diet in the iberic population and impact of the treatment with Cerivastatina (BAY w6228/450007) at the Ramón y Cajal Hospital.
2003-2004	"Random double-blind multicentric phase III-b study of parallel groups to compare the efficacy and safety of Rosuvastatin (40 mg) with Atorvastatin (80 mg) in patients with hypercholesterolemia and coronary cardiopathy or equivalent risks" (POLARIS-4522IL/0106)
2005 – 2007	"Comparison of two strategies for the weight maintenance phase in the obese patient: an hypocaloric mixed diet with the substitution of one of the intakes by LCD (Optifast) versus a traditional hypocaloric diet".
2006- 2008	"PROBESCI", a clinical trial of therapeutic equivalence in the treatment of the obese patient".
2007- 2009	"Long-Term Comparative study with Exenatide and Glimepiride in patients with type 2 diabetes and obesity, previously treated with Metformin (H80-EW-GWBE).
2007- 2008	"Nutritional Supplements administered at the perioperative period of elderly patients with hip fracture"
2008-2010	"Efficacy of Exenatide of long-term-release and once a week-administered, and Glargine insulin, in type 2 diabetes patients treated with Metformin as monotherapy, or combined with_sulfonylurea and thiazolidinone. (H80-EW-GWBR)
2008- 2009	Main co-investigator of the clinical trial "Influence of the Mediterranean diet upon the oxidative state of patients with cardiovascular risk (PREDIMED/08).
2008-2010	"Safety and efficacy of the weekly-dosage of Exenatide versus Metformin, an inhibitor of the dipeptidyl peptidase-4 or a thiazolidinone in type 2 diabetes patients under monotherapy not previously treated with drugs" (H80-MC-GWCH).
2008	"Appreciation of liquid food tastes" (Code ON.2.C/A). Promotor : Danone Research.
2009-2011	PI and scientific coordinator of the study "A multicentric nutritional intervention study for the evaluation of the health benefits derived from the consumption of hake (fish), in a population with high cardiovascular risk. This study was promoted by the "CIBER of Obesity and Nutrition" (Code CEIC Ramón y Cajal 33UT08011)
2012	Early diagnosis of abnormalities in carbohydrate metabolism and diabetes in obese patients. Differential treatment implications. Reference number CEIC 023/12
2012-2014	"PROBESCI 2 : a clinical trial of therapeutic equivalence in the treatment of the obese patient: grupal versus individual strategie". (Code CEIC 76/12)
2014	PREDIMED PLUS STUDY : a multicenter clinical trial "Effect of a low-calorie mediterranean diet and physical activity promotion on cardiovascular primary prevention. Pilot study".
2015...	PREDIMED+MK: Effect of a low-calorie Mediterranean diet+regular physical activity on cardiovascular risk factors in patients with metabolic syndrome. The role of the skeletal muscle (MYOKINES) PI (Code , FIS PI15/01324)
2017	Estudio observacional, mediante experimento de elección discreta, para identificar las preferencias de los pacientes diabéticos tipo 2 en relación con su medicación inyectable para la diabetes mellitus tipo 2 (Código Protocolo D1843R00246/AST-GLP-2015-01) . Promotor ASTRA ZENECA

B) Collaborator :

1996-2003	" SuViMax Study " (Effect of the supplementation with vitamins and antioxidant minerals at nutritional doses, upon the incidence of cancer, cardiovascular diseases, cataracts, infections, and upon morbidity effects) which took place in France, between 1994 and 2002, and whose national coordinator is Dr. S. Hereberg, Director of Research of the INSERM at the "Institut Scientifique et Technique de la Nutrition et de l' alimentation. CNAM, Paris.
2001-2002	"NUTRAGE", funded by the European Community (QLAM2001).
2002- 2004	"Repercussions upon nutritional and tumoral biomarkers of the intestinal obstruction due to colorectal carcinoma". A project financed by FIS (Fund for Health Investigation), whose Main investigator is Prof. E. Arévalo, Director of the General and Digestive Surgery Service of the Reina Sofia Hospital, at Córdoba, (Spain).
2005-	"Genetic, metabolic, clinical, therapeutical and epidemiological study of the hereditary hyperlipidemia in Spain. Promoted by the "Red Temática de Investigación Cooperativa" (Topic network of cooperative research).(Expedient 003/181).(Financial support: ISCIII, G03/181).
2005-	Member of the group of investigation "Pshycological Styles, Gender and Health" (Exp.940066), validated by the Complutense University of Madrid, and directed by Professor Pilar López.

- 2007- "Healthy Properties of lyophilized Lactobacillus bulgaricus in patients diagnosed of ulcerative colitis and hypercholesterolemia" (Promotor: Commerce, Inversions and Promotions Bulgaria SL).
- 2005-2008- "Prospective Analysis of the prognostic factors in the clinical evolution of type 2 diabetes patients, and comparative study of the variability of the effectiveness among Primary Care Centers ("Centros de Atención Primaria"). "Study and Follow-up of type 2 diabetes patients"(LSD-2). FIS 2005-2008.
- 2003- 2004 "Comparative study of the immunological efficacy and upon patient digestive well-being, of pasteurized yoghourts versus traditional ones, in the healthy population" (Agreement Pascual, SA, Fundación Ramón y Cajal Hospital)
- 2003-2004 "Effects upon the lipid profile of the consumption of chicken meat enriched with omega-3 fatty acids, in a group of healthy people (NUTRECO-SADA HRyC-1).
- 2008- 2009 Co-investigator of the phase IIIB, randomized, double-blind, controlled by placebo, study of the treatment of the active celiac disease with AT-1001"
- 2008- 2011 "Prognostic value of biomarkers of atherosclerosis and myocardial damage in patients with type 2 diabetes mellitus", whose Main investigator is Dr. F. Arrieta, MD from the Unit of Clinical Nutrition of of Ramón y Cajal Hospital.
- 2009- 2011 "Clinical trial phase IV, prospective, randomized, double-blind of parallel groups and unicentric, to evaluate the effect of Taurine in Total Parenteral Nutrition (TPN) upon hepatic function in post-surgical patients. (Code LG-TAU-2008-04).
- 2009- Member of the group "GEDCAM" who has elaborated the "Epidemiologic Study of Diabetes in Castilla La Mancha (a Spanish region), performed by FUCAMDI.
- 2008-2011- "Prognostic factors of cardiovascular mortality and morbidity in a cohort of families with genetic diagnosis of familiar hypercholesterolemia". Project financed by CNIC (National Center for Cardiovascular Investigation) of Spain, and the Carlos III Institute (CNIC 08-2008).
- 2009-2012- "Study of the expression of the of lipid metabolism regulatory genes in obesity". (Main investigator : D. Gómez-Coronado) 2009-2012 FIS.
- 2010-2012 Oxidative metabolism and cardiovascular risk in morbid obese patients under bariatric surgery: comparative study among different surgery techniques. (IP Botella-Carretero, JI) Funded by: FIBIo-HRC
- 2011-2014 Cholesterol reverse Transport study in obesity. Relationship with cardiometabolic risk.(Code FIS 02077)
- 2015-2016 Co investigator: **Intervención dietética en la Enfermedad de Huntington: potenciales efectos sobre el inicio del trastorno y la calidad de vida del paciente"** IP:Dra. Nieves González , IC's Prof. Clotilde Vázquez Martínez , Miguel Aganzo Yeves, Alba Galdón Sanz Pastor, Lic. Asunción Martínez Descals, María Teresa Montojo Villasanta, Dra. Cici Esmerali Feliz Feliz, Prof Cristina Tomás Zapico, Dr. Raúl Sanz Rojo. Funded by PERSAN S.A.

PATENTS

Holder of a currently operative Patent Copyright (Registered) for its use in the classes number 9, 16, 35, 41, 42, and 44.

Authors: C. Vázquez

Title : Diet Exchange ("Intercambio Dietas")

Reference: 2855378/0

Resolution granted : Spanish Ministry of Industry, Tourism and Commerce. April 16, 2009 (published at the Spanish BOPi (official boletin) on May 6, 2009.

COMPLEMENTARY TRAINING IN SCIENTIFIC RESEARCH

Magister in Clinical Research expertise and Good Practices in clinical trials (1 year duration) . Madrid, Universidad Complutense, 2001, 60 ECTS

Curso "La gestión del cambio en las Unidades de Endocrinología". IE Business School. Executive education. Madrid, 5 y 6 Noviembre 2010

Contribution of the Research Activity to the Clinical Activity, Medical Care and/or Technological Development

1998-2002- Participation as a high qualified expert in the French committee of reading and evaluation of the consensus document about diagnosis and treatment of the obesity, entitled "*Recommendations for the diagnosis, prevention and treatment of obesity*, elaborated by

the French “Societe de Nutrition et Dietetique de langue francaise”, the “Association francaise d’ etudes et de recherches sur le obesité and the “Association de langue francaise pour l’etude du diabete et des maladies metaboliques” (Published at Diabetes and Metabolism 1998, 24 suppl. 2:3-48).

1999-2001- Participation in the Sectorial Board for the Prevention of the Eating Behaviour Disorders, organized by the General Direction of Public Health of the Spanish Ministry of Health, representing the Spanish Society of Endocrinology and Nutrition.

1999- Member of the Scientific Committee of the Spanish Foundation for Familiar Hypercholesterolemia as well as of the group of work on Familiar Hypercholesterolemia who has elaborated the “Spanish Record of Familiar Hypercholesterolemias”.

2000- Participation as a consultant for the Spanish Ministry of Health, in the development of the document “Control of Cholesterolemia in Spain in the year 2000: a tool for the prevention of cardiovascular disease”.

2000- Participation in the edition committee for the elaboration of the document “Spanish Consensus on Obesity” (Consenso SEEDO for the evaluation of overweight and obesity and the establishment of common criteria for therapeutic interventions (Published at Med. Clin (Barc) 2000;115:587-597).

2002-2003- Entitled Member of the Board of Medical Specialist of Endocrinology and Nutrition (Tribunal de FEA) at the “OPE” (Public Extraordinary Employment Offer), named by the Madrid Institute of Health.

2001-2004- General Secretary of the Spanish Society of Endocrinology and Nutrition(“SEEN”).

2003-2007- Vicepresident of the Madrid Society of Endocrinology, Nutrition and Diabetes.

2004- Coordinator of the group of work on “Nutritional Guides” of the “Plan for Alimentation, Nutrition and Physical Activity for the Prevention of Obesity (The NAOS Strategy) of the Spanish Ministry of Health.

2002-2005 and 2008- Coordinator of the Group of Therapeutic Education in Diabetes (G.E.E.T) of the Spanish Society of Diabetes.

2004- Member of the Scientific Committee of the Castilla-La Mancha Foundation for Diabetes.

2005- Participant in the elaboration of the “Guides of Good Practice in the Treatment of Obesity in Especialized Attention, within the Medical Attention Committee of the Spanish Society of Endocrinology and Nutrition.

2004- Named Collaborator Professor of the Spanish university “ UNED” (National Distance Education University), and member of the Academic Council for the course “Graduate Expert on Obesity”.

2006- Member of the Scientific Committee of the THAO Project “Think Action Obesity) endorsed by the NAOS Strategy.

2008- Named Medical Residents in Endocrinology and Nutrition tutor and counselor at Ramón y Cajal hospital.

January 12, 2009. Named Member of the National Commission of Endocrinology and Nutrition, after a proposal on behalf the General Secretary of Health, to the Ministry of Science and Innovation.

AWARDS

- The “Abraham García Almansa Award” to a career in Clinical Nutrition, granted by the Spanish Society of Basic and Applied Nutrition (SENBA). Valencia (Spain), December 1998.

- Award of the Foundation S.E.E.N (Spanish Scientific Society of Endocrinology and Nutrition), to the best publication in Nutrition. Alicante, (Spain), 2002.

- Award to her contribution and career in the diabetes field, granted by the Castilla- La Mancha Foundation for Diabetes. September 2008.

“Best in class” in Clinical Nutrition Award, 2013

“Best in class” in Diabetes Award 2015

“Best in class” in Diabetes Award 2016