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Diabetic Foot Unit.
University Podiatry Clinic
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Biographical Sketch:

Date and place of birth: April 4th, 1972. Madrid, Spain.

Degrees:

1. Doctor in Podiatric Medicine. (DPM) Complutense University of Madrid 1993.
2. Fellow in Foot Surgery. New York College of Podiatric Medicine and Complutense University of Madrid. 1994.
3. Master in Science. Research in Health. (MSc) Complutense University. Madrid 2007.
4. Doctor Philosophiae. (PhD). Thesis entitled: "Biomechanics characteristics in feet of diabetics patients with and without neuropathy."

Currently employment status

1. Full Time Professor of Podiatric Surgery in Complutense University Podiatric College.
2. Vice-Chairman of Complutense University Podiatric Clinic
3. Head of Diabetic Foot Unit at University Podiatric Clinic
4. Chairman of the Interdisciplinary Research Group in Diabetic Foot at the Complutense University of Madrid
5. Chairman of the Research Group in Diabetic Foot at the Health Research Institute at San Carlos Hospital of Madrid

Research:

- Manuscript in Scientific Journals: 74
- Books and Chapter of Books: 15
- Presentation and lecture in Scientific Meeting: 246
- Research Project in the last 5 years: 10

Indexed manuscript (51):

1. **Lázaro Martínez JL**, García Morales E, Beneit Montesinos JV, Martínez de Jesús FR, Aragón Sánchez FJ. [Randomized comparative trial of a

- collagen/oxidized regenerated cellulose dressing in the treatment of neuropathic diabetic foot ulcers]. *Cir Esp.* 2007;82(1):27-31. [Article in Spanish]
2. Martínez de Jesús F, **Lázaro Martínez JL**, Beneit Montesinos JV, Armstrong DG, Wu S. Randomised control trial of a superoxidase water solution in the treatment of diabetic foot infections. *Int Wound J.* 2007 Dec;4(4):353-62
 3. Romanelli M, Kaha E, Stege H, Wnorowski JW, Vowden P, Majamaa H, **Lázaro JL**. Effect of amelogenin extracellular matrix protein and compression on hard-to-heal venous leg ulcers: follow-up data. *J Wound Care.* 2008 Jan;17(1):17-8, 20-3.
 4. Aragón Sánchez FJ, Cabrera Galván JJ, Quintana Marrero Y, Hernández Serrano MJ, **Lázaro Martínez JL**, García Morales E, Beneit Montesinos JV, Armstrong DG. Outcomes of surgical treatment of diabetic foot osteomyelitis: a series of 185 patients with histopathological confirmation of bone involvement. *Diabetologia.* 2008; 51: 1962-1970
 5. Aragón Sánchez FJ, **Lázaro Martínez JL**. Comments on the use of bemiparin in diabetic foot ulcers. *Diabet Med.* 2009;26:100.
 6. Fernández Ospina NH, Jiménez González S, Carrascosa Romero E, García Morales E, **Lázaro Martínez JL**. [Activated carbon and silver biocide dressings for diabetic foot. A descriptive analysis]. *Rev Enferm.* 2009 Jan;32(1):8-12. [Article in Spanish]
 7. Aragón Sánchez FJ, **Lázaro Martínez JL**, Quintana Marrero Y, Hernández Herrero MJ, García Morales E, Cabrera Galván JJ, Beneit Montesinos JV. Are diabetic foot ulcers complicated by MRSA osteomyelitis associated with worse prognosis? Outcomes of a surgical series. *Diabet Med.* 2009;26 (5): 552-555.
 8. Aragón Sánchez FJ, García Rojas A, **Lázaro Martínez JL**, Quintana Marrero Y, Maynar Moliner M, Rabellino M, Hernández Herrero MJ, Cabrera Galván JJ. Epidemiology of diabetes-related lower extremity amputations in Gran Canaria, Canary Islands (Spain). *Diabetes Res Clin Pract.* 2009. Oct;86(1):e6
 9. Aragón Sánchez FJ, Quintana Marrero Y, **Lázaro Martínez JL**, Hernández Herrero MJ, García Morales E, Beneit Montesinos JV, Cabrera Galván JJ. Necrotizing soft-tissue infections in the feet of patients with diabetes: outcome of surgical treatment and factors associated with limb loss and mortality. *Int J Low Extrem Wounds.* 2009 Sep;8(3):141-6.
 10. **Lázaro Martínez JL**, Sánchez Ríos JP, García Morales E, Cecilia Matilla A, Segovia Gómez T. Increased Transcutaneous Oxygen Tension in the Skin Over the Dorsum in Patients With Diabetic Foot Disease in Response to the Topical Use of an Emulsion of Hyperoxygenated Fatty Acids. *Int J Low Extrem Wounds.* 2009 Dec;8(4):187-93.
 11. Aragón-Sánchez J, Hernández-Herrero MJ, **Lázaro-Martínez JL**, Quintana-Marrero Y, Maynar-Moliner M, Rabellino M, Cabrera-Galván JJ. In-hospital complications and mortality following major lower extremity amputations in a series of predominantly diabetic patients *Int J Low Extrem Wounds.* 2010 Mar;9(1):16-23.
 12. **Lázaro-Martínez JL**, García-Morales EA, Aragón-Sánchez FJ, Año-Vidales P, Allas-Aguado S, García-Alvarez Y. Reducing skin maceration in exudative diabetic foot ulcers. *Rev Enferm.* 2010 Mar;33(3):9-14.

13. Bollero D, Driver V, Glat P, Gupta S, **Lázaro-Martínez JL**, Lyder C, Ottonello M, Pelham F, Vig S, Woo K. The Role of Negative Pressure Wound Therapy in the Spectrum of Wound Healing. *Ostomy Wound Management*. 2010;56(5 Suppl):1-18.
14. Aragón-Sánchez J, **Lázaro-Martínez JL**, Hernández-Herrero MJ. Triggering mechanisms of neuroarthropathy following conservative surgery for osteomyelitis. *Diabet Med*. 2010 Jul;27(7):844-7.
15. Aragón-Sánchez J, **Lázaro-Martínez JL**, Hernández-Herrero MJ, Quintana-Marrero Y, Cabrera-Galván JJ. Clinical significance of the isolation of *Staphylococcus epidermidis* from bone biopsy in diabetic foot osteomyelitis. *Diabet Foot Ankle*. 2010;1. doi: 10.3402/dfa.v1i0.5418. Epub 2010 Aug 27.
16. Aragón-Sánchez J, Lipsky B, **Lázaro-Martínez JL**. Diagnosing diabetic foot osteomyelitis: is the combination of probe-to-bone test and plain radiography sufficient for high-risk inpatients?. *Diabet Med*. 2011 Feb;28(2):191-4. doi:10.1111/j.1464-5491.2010.03150.x.
17. **Lázaro-Martínez JL**, Aragón-Sánchez J, Beneit-Montesinos JV, González-Jurado M, García Morales E, Martínez-Hernández D. Foot biomechanics in patients with diabetes mellitus. Doubts regarding the relationship between neuropathy, foot motion and deformities] *Am Podiatr Med Assoc*. 2011 May-Jun;101(3):208-14
18. **Lázaro-Martínez JL**, Aragón-Sánchez FJ, García-Morales E, Beneit-Montesinos JV, González-Jurado M. A cost-effectiveness analysis of a collagen/oxidised regenerated cellulose dressing in the treatment of neuropathic diabetic foot ulcers. *Ostomy Wound Management* 2010;56(11A):4-8.
19. García Morales E, **Lázaro-Martínez JL**, Aragón-Sánchez FJ, Cecilia-Matilla A, Beneit-Montesinos JV, González Jurado MA. Inter-observer reproducibility of probing to bone in the diagnosis of diabetic foot osteomyelitis. *Diabet Med*. 2011 Oct;28(10):1238-40. doi: 10.1111/j.1464-5491.2011.03283.x.
20. García-Morales E, **Lázaro-Martínez JL**, Martínez-Hernández D, Aragón-Sánchez J, Beneit-Montesinos JV, González-Jurado MA. Impact of diabetic foot related complications on the Health Related Quality of Life (HRQoL) of patients--a regional study in Spain. *Int J Low Extrem Wounds*. 2011 Mar;10(1):6-11.
21. Aragón-Sánchez J, **Lázaro-Martínez JL**. Comment on: Lipsky et al. Developing and validating a risk score for lower-extremity amputation in patients hospitalized for a diabetic foot infection. *Diabetes Care* 2011;34:1695-1700. *Diabetes Care*. 2011 Oct;34(10):e160.
22. Aragón-Sánchez J, **Lázaro-Martínez JL**. Impact of perioperative glycaemia and glycated haemoglobin on the outcomes of the surgical treatment of diabetic foot osteomyelitis. *Diabetes Res Clin Pract*. 2011 Dec;94(3):e83-5. Epub 2011 Sep 28.
23. Aragón-Sánchez J, Cano-Jimenez F, **Lázaro-Martínez JL**, Campillo-Vilorio N, Quintana-Marrero Y, Hernández-Herrero MJ. Never amputate a patient with diabetes without consulting with a specialized unit. *Int J Low Extrem Wounds*. 2011 Dec;10(4):214-7. Epub 2011 Oct 12.
24. Aragón-Sánchez J, **Lázaro-Martínez JL**, Hernández-Herrero C, Campillo-Vilorio N, Quintana-Marrero Y, García-Morales E, Hernández-Herrero MJ. Surgical treatment of limb- and life-threatening infections in the feet of

patients with diabetes and at least one palpable pedal pulse: successes and lessons learnt. *Int J Low Extrem Wounds*. 2011 Dec;10(4):207-13. Epub 2011 Oct 20.

25. Aragón-Sánchez J, **Lázaro-Martínez JL**, Hernández-Herrero C, Campillo-Vilorio N, Quintana-Marrero Y, García-Morales E, Hernández-Herrero MJ. Does osteomyelitis in the feet of patients with diabetes really recur after surgical treatment? Natural history of a surgical series. *Diabet Med*. 2012 Jun;29(6):813-8. doi: 10.1111/j.1464-5491.2011.03528.x.
26. Aragón-Sánchez J, **Lázaro-Martínez JL**, Cecilia-Matilla A, Quintana-Marrero Y, Hernández-Herrero MJ. Limb salvage for spreading midfoot osteomyelitis following diabetic foot surgery. *J Tissue Viability*. 2012 May;21(2):64-70. Epub 2012 Jan 9.
27. García-Morales E, **Lázaro-Martínez JL**, Aragón-Sánchez J, Cecilia-Matilla A, García-Álvarez Y, Beneit-Montesinos JV. Surgical complications associated with primary closure in patients with diabetic foot osteomyelitis. *Diabet Foot Ankle*. 2012;3. doi: 10.3402/dfa.v3i0.19000. Epub 2012 Sep 25.
28. Aragón-Sánchez J, **Lázaro-Martínez JL**, Pulido-Duque J, Maynar M. From the diabetic foot ulcer and beyond: how do foot infections spread in patients with diabetes? *Diabet Foot Ankle*. 2012;3. doi: 10.3402/dfa.v3i0.18693. Epub 2012 Oct 1.
29. Aragón-Sánchez J, **Lázaro-Martínez JL**, Campillo-Vilorio N, Quintana-Marrero Y, Hernández-Herrero MJ. Controversies regarding radiological changes and variables predicting amputation in a surgical series of diabetic foot osteomyelitis. *Foot Ankle Surg*. 2012 Dec;18(4):233-6. doi: 10.1016/j.fas.2012.01.005. Epub 2012 Mar 2.
30. Cecilia-Matilla A, **Lázaro-Martínez JL**, Aragón-Sánchez J, García-Morales E, García-Álvarez Y, Beneit-Montesinos JV. Histopathologic characteristics of bone infection complicating foot ulcers in diabetic patients. *J Am Podiatr Med Assoc*. 2013 Jan-Feb;103(1):24-31.
31. Sanz-Corbalán I, **Lázaro-Martínez JL**, García-Morales E, Aragón-Sánchez J, Carabantes-Alarcón D, García-Álvarez Y. Relationship of limited joint mobility and foot deformities with neurological examination in patients with diabetes. *Exp Clin Endocrinol Diabetes*. 2013 Apr;121(4):239-43. doi: 10.1055/s-0032-1329981. Epub 2013 Jan 17.
32. Álvaro-Afonso FJ, **Lázaro-Martínez JL**, Aragón-Sánchez J, García-Morales E, Cecilia-Matilla A, Beneit-Montesinos JV. Interobserver and intraobserver reproducibility of plain X-rays in the diagnosis of diabetic foot osteomyelitis. *Int J Low Extrem Wounds*. 2013 Mar;12(1):12-5. doi: 10.1177/1534734612474304. Epub 2013 Feb 1.
33. Aragón-Sánchez J, **Lázaro-Martínez JL**, Quintana-Marrero Y, Sanz-Corbalán I, Hernández-Herrero MJ, Cabrera-Galván JJ. Super-oxidized solution (dermacyn wound care) as adjuvant treatment in the postoperative management of complicated diabetic foot osteomyelitis: preliminary experience in a specialized department. *Int J Low Extrem Wounds*. 2013 Jun;12(2):130-7. doi: 10.1177/1534734613476710. Epub 2013 Feb 26.
34. Aragón-Sánchez J, Lipsky BA, **Lázaro-Martínez JL**. Gram-negative diabetic foot osteomyelitis: risk factors and clinical presentation. *Int J Low Extrem Wounds*. 2013 Mar;12(1):63-8. doi: 10.1177/1534734613477423. Epub 2013 Feb 26.

35. Aragón-Sánchez J, **Lázaro-Martínez JL**, Quintana-Marrero Y, Alvaro-Afonso FJ, Hernández-Herrero MJ. Charcot neuroarthropathy triggered and complicated by osteomyelitis. How limb salvage can be achieved. *Diabet Med*. 2013 Jun;30(6):e229-32. doi: 10.1111/dme.12191. Epub 2013 Apr 17.
36. Molines-Barroso RJ, **Lázaro-Martínez JL**, Aragón-Sánchez J, García-Morales E, Beneit-Montesinos JV, Alvaro-Afonso FJ. Analysis of transfer lesions in patients who underwent surgery for diabetic foot ulcers located on the plantar aspect of the metatarsal heads. *Diabet Med*. 2013 Aug;30(8):973-6. doi: 10.1111/dme.12202. Epub 2013 Apr 20.
37. Aragón-Sánchez J, **Lázaro-Martínez JL**, Molinés-Barroso R, García Álvarez Y, Quintana-Marrero Y, Hernández-Herrero MJ. Revision surgery for diabetic foot infections: giving another chance to the patient. *Int J Low Extrem Wounds*. 2013 Jun;12(2):146-51. doi: 10.1177/1534734613486155. Epub 2013 May 13.
38. García-Álvarez Y, **Lázaro-Martínez JL**, García-Morales E, Cecilia-Matilla A, Aragón-Sánchez J, Carabantes-Alarcón D. Morphofunctional characteristics of the foot in patients with diabetes mellitus and diabetic neuropathy. *Diabetes Metab Syndr*. 2013 Apr-Jun;7(2):78-82. doi: 10.1016/j.dsx.2013.02.029. Epub 2013 Mar 15.
39. Cecilia-Matilla A, **Lázaro-Martínez JL**, Aragón-Sánchez J. Dear Editor. *J Foot Ankle Surg*. 2013 Jun 12. doi:pii: S1067-2516(13)00196-8. 10.1053/j.jfas.2013.05.003. [Epub ahead of print].
40. Alvaro-Afonso FJ, **Lázaro-Martínez JL**, Aragón-Sánchez J, García-Morales E, Carabantes-Alarcón D, Molines-Barroso RJ. Does the location of the ulcer affect the interpretation of the probe-to-bone test in the diagnosis of osteomyelitis in diabetic foot ulcers? . *Diabet Med*. 2013 Jul 19. doi: 10.1111/dme.12280. [Epub ahead of print]
41. Aragón-Sánchez J, **Lázaro-Martínez JL**, Cabrera-Galván JJ. Additional information on the role of histopathology in diagnosing diabetic foot osteomyelitis. *Diabet Med*. 2013 Jul 22. doi: 10.1111/dme.12283. [Epub ahead of print]
42. Cecilia-Matilla A, **Lázaro-Martínez JL**, Aragón-Sánchez J, García-Álvarez Y, Chana-Valero P, Beneit-Montesinos JV. Influence of the Location of Nonischemic Diabetic Forefoot Osteomyelitis on Time to Healing After Undergoing Surgery. *Int J Low Extrem Wounds*. 2013 Sep 16. [Epub ahead of print]
43. **Lázaro-Martínez JL**, Aragón-Sánchez J, García-Morales E. Antibiotics versus conservative surgery for treating diabetic foot osteomyelitis. A randomized comparative trial. *Diabetes Care*. 2014 Mar;37(3):789-95. doi: 10.2337/dc13-1526. Epub 2013 Oct 15.
44. Rubio JA, Aragón-Sánchez J, **Lázaro-Martínez JL**, Almaraz MC, Mauricio D, Antolín Santos JB, Díaz Pérez JA, Fabbi M, Lozano Del Hoyo ML, Vela MP; en representación del Grupo Español del Pie Diabético. Diabetic foot units in Spain: Knowing the facts using a questionnaire. *Endocrinol Nutr*. 2013 Nov 4. doi:pii: S1575-0922(13)00269-6. 10.1016/j.endonu.2013.07.002. [Epub ahead of print] English, Spanish.
45. Aragón-Sánchez J, **Lázaro-Martínez JL**. Factors Associated With Calcification in the Pedal Arteries in Patients With Diabetes and Neuropathy

- Admitted for Foot Disease and Its Clinical Significance. *Int J Low Extrem Wounds*. 2013 Nov 25. [Epub ahead of print].
46. Molines-Barroso RJ, **Lázaro-Martínez JL**, Aragón-Sánchez J, García-Morales E, Carabantes-Alarcón D, Alvaro-Afonso FJ. The influence of the length of the first metatarsal on the risk of reulceration in the feet of patients with diabetes. *Int J Low Extrem Wounds*. 2014 Mar;13(1):27-32. doi: 10.1177/1534734613516858. Epub 2013 Dec 18.
 47. **Lázaro-Martínez JL**, Cecilia-Matilla A, Aragón-Sánchez J, García-Morales E, Garcia-Alvarez Y, Alvaro-Afonso F. Treatment of infected diabetic foot ulcers clinical effectiveness of a dressing of alginate and hydrocolloid, with silver fiber. Analysis of results of a series of cases. *Rev Enferm*. 2013 Nov;36(11):29-34. Spanish.
 48. Aragón-Sánchez J, **Lázaro-Martínez JL**, García-Álvarez Y, Morales EG, Hernández-Herrero MJ. Albuminuria is a predictive factor of in-hospital mortality in patients with diabetes admitted for foot disease. *Diabetes Res Clin Pract*. 2014 Jan 21. pii: S0168-8227(14)00008-4. doi: 10.1016/j.diabres.2014.01.006. Epub 2014 Jan 21.
 49. **Lázaro-Martínez JL**, Aragón-Sánchez J, García-Morales E. Response to comment on Lazaro-Martinez et al. Antibiotics versus conservative surgery for treating diabetic foot osteomyelitis: a randomized comparative trial. *Diabetes Care*. 2014 May;37(5):e116-7. doi: 10.2337/dc14-0114. No abstract available.
 50. Alvaro-Afonso FJ, **Lázaro-Martínez JL**, Aragón-Sánchez J, García-Morales E, García-Álvarez Y, Molines-Barroso RJ. Inter-observer reproducibility of diagnosis of diabetic foot osteomyelitis based on a combination of probe-to-bone test and simple radiography. *Diabetes Res Clin Pract*. 2014 Apr 28. pii: S0168-8227(14)00207-1. doi: 10.1016/j.diabres.2014.04.024. [Epub ahead of print].
 51. Armstrong DG, Hanft JR, Driver VR, Smith AP, **Lázaro-Martínez JL**, Reyzelman AM, Furst GJ, Vayser DJ, Cervantes HL, Snyder RJ, Moore MF, May PE, Nelson JL, Baggs GE, Voss AC; The Diabetic Foot Nutrition Study Group. Effect of oral nutritional supplementation on wound healing in diabetic foot ulcers: a prospective randomized controlled trial. *Diabet Med*. 2014 May 28. doi: 10.1111/dme.12509. [Epub ahead of print].

Research Projects:

1. Ultrasonographic changes of the plantar fascia pattern in diabetic patients with plantar fasciitis treated with functional orthoses. Technoinsole. initiation: 24/05/2011.
2. Nepidermina dose-finding study (Human Recombinant Epidermal Growth Factor) administered intralesionally in the treatment of patients with diabetic non-ischemic and uncomplicated foot ulcers. Randomized, double-blind placebo controlled phase II clinical trial. Praxis Pharmaceutical, Inc. Initiation: 18/01/2011
3. Effectiveness of medical versus surgical treatment in osteomyelitis associated with diabetic foot lesions randomized clinical trial. Orthopaedics and Podiatry, SL. Initiation: 06/2010 End: 06/2013.

4. Clinical Evaluation of a nutritional formula for chronic wounds. Abbott Laboratories, Inc. Initiation: 01/05/2009 End: 30/03/2010.
5. Clinical and microbiological efficacy study of the Mepilex™ Ag dressing in diabetic foot ulcers. Mölnlycke Health Care. Initiation: 09/03/2009 End: 30/07/2010.
6. Randomized double-blind placebo-controlled study to evaluate the efficacy and safety of Beta --- 1, 3/1,6 --- glucan soluble (GBS) of foot chronic ulcers in patients with diabetes. Biotec Pharmacon ASA and Pharmanet Development Group. Initiation: 10/2008 End: 06/2009.
7. The Effect of hyper-oxygenated fatty acids in the microcirculation of patients with diabetic foot." Multicenter project between Diabetic Foot Unit of the Universidad Complutense de Madrid and the Multidisciplinary Unit, University Hospital Wound Puerta de Hierro. Initiation in March 2008. Funded by Bamageve, SA.
8. Evaluation of matrix proteases efficacy and effectiveness in modulating neuropathic diabetic foot healing process of injuries." developed in the Diabetic Foot Unit of the University Clinic of Podiatry at the University Complutense of Madrid, funded by Johnson & Johnson Advance Wound Care, being the principal investigator. Project Initiation: September 2004.
9. Clinical Evaluation of New Hidropolymer Dressings in the Treatment of Diabetic Foot Ulcers." Research Project funded by the company Coloplast Spain SA, Project initiation in December 2001. End in March 2003.
10. Clinical Trial of Collagen powder in diabetic patients ulcers. This study was funded by the company Biometrics SA, with a managed grant through the General Foundation of the University Complutense of Madrid. Convention signed in May 2001. Diabetic Foot Unit of the Hospital Virgen del Consuelo Valencia. Participation as member of the research team.

Other merits:

1. Member of the Editorial Board of "Diabetic Foot & Ankle " journal.
2. Member of the Editorial Board of "Clinical Research on Foot & Ankle" journal.
3. Reviewer of European Journal of Clinical Microbiology & Infectious Diseases.
4. Reviewer of International Journal of Lower Extremity Wounds.
5. Reviewer of Diabetes Medicine journal.
6. Member of the World Wounds Health Societies Committee of experts, integrated in the "Diagnostics Methods in Hard to Heal Wounds" group. Town. South Africa.
7. Member of the Diabetic Foot Study Group (DFSG).
8. Founder member of the Diabetic Foot Study Group on behalf Spanish Diabetes Association.
9. Vice-Chairman of the Spanish Multidisciplinary Study Group of Diabetic Foot.
10. Vice-Chairman of the First Spanish Diabetic Foot Multidisciplinary meeting. Madrid 2003.
11. Vice-Chairman of the Second Spanish Diabetic Foot Multidisciplinary meeting. Sevilla. 2005.

12. Chairman of the Third Spanish Diabetic Foot Multidisciplinary meeting. Toledo. 2007.
13. Vice-Chairman of the Fourth Spanish Diabetic Foot Multidisciplinary meeting. Sitges. 2013.
14. Course Director of the Annual Diabetic Foot Course at Complutense University of Madrid. 14th edition in 2014.
15. Chairman of the Fellowship in Diabetic Foot training program in Complutense University of Madrid.