

# CURRICULUM VITAE

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**Title:** *Prof.*

**Institution:** *Universidad Complutense de Madrid*

**Department:** *Diabetic Foot Unit/ Teaching Podiatric Clinic*

**Address:** *Unidad de Pie Diabético. Clínica Universitaria de Podología. Universidad Complutense de Madrid. Facultad de Medicina, Pabellón I. Avda./ Complutense s/n. 28040 Madrid. España*

**Date:** July, 2020

## PRESENT POSITION

## From/To

- Vice Chairman of the Teaching Podiatric Clinic (Universidad Complutense de Madrid. Madrid, Spain).

2019 –To the present

- Academic secretary of the Teaching Podiatric Clinic (Universidad Complutense de Madrid, Spain).

2012 –2019

- Full time professor at College of Podiatry. Developed activity: teaching, clinical practice and research. Universidad Complutense de Madrid, Spain).

2008 –To the present

- Chief of podiatrists in training of the Teaching Podiatric Clinic (Universidad Complutense de Madrid, Spain).

2008-2019

- Assistant Specialist in Diabetic Foot Unit Teaching Podiatric Clinic (Universidad Complutense de Madrid, Spain).

2005 –To the present

## EDUCATION & TRAINING

## Degree

## Year

## Field of Specialization

Universidad Complutense of Madrid. Madrid (Spain).

PhD

2002

Diabetic Foot

Universidad Complutense of Madrid. Madrid (Spain).

DPM

1997

Podiatry

Universidad de Alcalá de Henares. Madrid (Spain).

Bachelor of Laws

1997

Laws

## **RESEARCH EXPERIENCE**

- Member of Research Group Study Interdisciplinar Diabetic Foot. University Complutense of Madrid. Madrid (Spain). 2009-present
- Member since 2012: Research Group Study Interdisciplinar Diabetic Foot. Health Research Institute of San Carlos. Madrid (Spain). 2012-present

## **Clinical trials**

- Assessment of change in imaging patterns using Nuclear Magnetic Resonance in patients with Charcot diabetic osteoarthropathy
- Blinded, randomized, multicenter, multi-dose ascending clinical trial, for administration by subcutaneous injection in patients with neuropathic diabetic foot ulcers that do not heal." 2015 (Phase Ib)
- Randomized, blind, placebo-controlled study to investigate the safety and efficacy of a gentamicin collagen sponge in combination with systemic antibiotic treatment in patients with infected foot ulcers 2015 (Phase III)
- Evaluation of UAW ultrasound wound debridement in combination with a super-oxidized antiseptic solution for the treatment of complicated diabetic foot ulcers. 2016 (Phase III)
- Dressing valuation diabetic foot ulcers (Evaluation of the efficacy and tolerability of a new dressing for the treatment of diabetic foot ulcers. European clinical trial, prospective, randomized, multicentre, double-blind) 2013 (Phase III)
- Metalloprotease diagnostic test evaluation in diabetic foot ulcers (Diagnostic test at the point of care (POC) WOUNDCHEK Protease Status. A prospective, multicenter, randomized, evaluator-blind clinical study on diabetic foot ulcers). 2012 (Phase III)
- Nepidermina valuation diabetic foot ulcers (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). 2011 (Phase II)
- Evaluation of treatment of diabetic foot osteomyelitis (Effectiveness of medical versus surgical treatment in osteomyelitis associated with diabetic foot lesions randomized clinical trial). 2010 (Phase III)
- Nutricional formula valuation diabetic foot ulcers (Clinical Evaluation of a nutritional formula for chronic wounds). 2009 (Phase III)
- Dressing valuation diabetic foot ulcers (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). 2008 (Phase III)

## **Publications**

- Lázaro-Martínez JL, Martínez-Martín S, Sánchez-Ríos JP, García Morales E, Ramos Blanco L, Martínez de Jesús F. "Estudio retrospectivo descriptivo de los resultados de los cultivos microbiológicos en infecciones de úlceras de pie diabético" *Podología Clínica* , Vol. 6 número 6, pp. 198-203, 2005.
- Lázaro-Martínez JL, Ramos-Blanco L, García-Morales E. "Utilidad de la medición de la presión transcutánea de oxígeno (T<sub>cp</sub>O<sub>2</sub>) en el salvamento de miembros isquémicos en el pie diabético: Caso clínico" *Podología Clínica* , Vol. 7 número 1, pp. 19-24, 2006.
- Lázaro-Martínez JL, García-Morales E, Beneit-Montesinos JV, Martínez de Jesús FR, Aragón-Sánchez FJ. "Estudio Aleatorio y Comparativo de un apósito de colágeno y celulosa oxigenada regenerada contra el tratamiento estandarizado en úlceras neuropáticas de pie diabético". *Cirugía Española*. 2007. (82) 27-31.
- Aragón-Sánchez FJ, Cabrera-Galván JJ, Quintana-Marrero Y, Hernández-Herrero 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. *Diabetología*. 2008 Nov;51(11):1962-70. (JCR 6,551/Q1 Endocrinology and metabolism)
- 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. *Diabetic Medicine*. 2009; 26(5):552-555. A. (JCR 2,871/ Q2 Endocrinology and metabolism)
- Fernández Ospina NH, Jiménez González S, Carrascosa Romero E, García Morales E, Lázaro Martínez JL. Mallas biocidas de carbón activo y plata en el pie diabético. Análisis descriptivo. *Revista Rol de Enfermería*. 2009 Jan; 32(1): 8-12. A.
- 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 mortality. *International Journal of Lower extremity Wounds*. 2009 Sept; 8 (3):141-6. A. (JCR: 1,2/ Q3 Surgery)
- 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 a emulsion of hyperoxygenated fatty acids. *International Journal of Lower Extremity Wounds*. 2009. Dec; 8(4):187-93. A. (JCR: 1,2/ Q3 Surgery)
- Lázaro Martínez JL, Aragón Sánchez FJ, García Morales E, Beneit Montesinos JV, González Jurado M. A retrospective analysis of the cost-effectiveness of a Collagen/Oxidized regenerated cellulose dressing in the treatment of neuropathic diabetic foot ulcers. *Ostomy wound management*. 2010; 56 (4S): S4-8. A. (JCR: 0,8/ Q3 Surgery)

- Lázaro-Martínez JL, García-Morales EA, Aragón-Sánchez FJ, Añó-Vidales P, Allas-Aguado S, García-Álvarez Y. Reducing skin maceration in exudative diabetic foot ulcers. *Rev Enfermería*. 2010 Mar;33(3):9-14.
- Lázaro Martínez JL, Aragón Sánchez FJ, García Morales E, García Álvarez Y, Cecilia Matilla A, Allas Aguado, S. Abordaje integral de las úlceras de pie diabético. *Revista de la Sociedad Española de Heridas*. 2010; 2:34-35.12.
- 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. *International Journal of Lower extremity Wounds*. 2011 Mar;10(1):6-11. A. (JCR: 1,2/Q3 Dermatology)
- Lázaro-Martínez JL, Aragón-Sánchez FJ, Beneit-Montesinos JV, González-Jurado MA, García Morales E, Martínez Hernández D. Foot biomechanics in patients with diabetes mellitus: doubts regarding the relationship between neuropathy, foot motion, and deformities. *Journal of the American Podiatric Medical Association*. May- Jun;101(3):208-14. A. (JCR:0,56/Q4 Orthopedics)
- 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. *Diabetic Medicine*. 2011 Oct;28(10): 1238-40.A. (JCR: 2,902/Q2 Endocrinology and metabolism)
- Aragón-Sánchez J, Lázaro-Martínez JL, Hernández-Herrero C, Campillo-Vilorio N, Quintana-Marrero Y, García- Morales E, et al. 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. *International Journal of Lower extremity Wounds*. 2011 Dec;10(4): 207-13. A. (JCR:1,2/ Q3 Surgery)
- Aragón-Sánchez J, Lázaro-Martínez JL, Hernández-Herrero C, Campillo-Vilorio N, Quintana-Marrero Y, García- Morales E, et al. Does osteomyelitis in the feet of patients with diabetes really recur after surgical treatment? Natural history of a surgical series. *Diabetic Medicine*. 2012 Jun;29(6): 813-8. A. (JCR: 3,241/ Q2 Endocrinology and metabolism)
- 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. *Diabetic Foot and Ankle*. 2012;3.
- Cecilia-Matilla A, Lázaro-Martínez JL, Aragón-Sánchez FJ, García Morales E, García Álvarez Y, Beneit- Montesinos JV. Histopathologic characteristics of bone infection complicating foot ulcers in diabetic patients. *Journal of the American Podiatric Medical Association*. 2013 Jan-Feb;103(1):24-31. A. (JCR:0,57/Q4 Orthopedics)
- Molines-Barroso RJ, Lázaro-Martínez JL, Aragón-Sánchez J, García-Morales E, Beneit-Montesinos JV, Álvaro- Afonso FJ. Analysis of transfer lesions in patients who underwent surgery for diabetic foot ulcers located on the plantar aspect of the metatarsal heads. *Diabetic Medicine*. 2013; Mar 21. doi: 10.1111/dme.12202. A. (JCR 3,06/ Q2 Endocrinology and metabolism)

- 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. *International Journal of Lower Extremity Wounds*. 2013 Mar;12(1):12-5. A. (JCR:1,19/ Q3 Surgery)
- 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 & Metabolic Syndrome*. 2013 Apr-Jun;7(2):78-82. A.
- 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. *Experimental and Clinical Endocrinology & Diabetes*. 2013 Apr;121(4):239-43. A. (JCR:1,76/ Q3 Endocrinology and metabolism)
- Lázaro-Martínez JL, Cecilia-Matilla A, Aragón-Sánchez J, García-Morales E, García-Álvarez Y, Álvaro-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;36(11):29-34. A.
- Álvaro-Afonso FJ, Lázaro-Martínez JL, Aragón-Sánchez FJ, 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? *Diabetic Medicine*. 2014;31 (1):112-3. A. (JCR: 3,115/ Q2 Endocrinology and metabolism)
- Lázaro-Martínez JL, Aragon-Sanchez J, Garcia-Morales E. Antibiotics versus conservative surgery for treating diabetic foot osteomyelitis: a randomized comparative trial. *Diabetes Care*. 2014;37(3):789-95. A. (JCR: 8,42/Q1 Endocrinology and metabolism)
- Molines-Barroso RJ, Lázaro-Martínez JL, Aragón-Sánchez J, García-Morales E, Carabantes-Alarcón D, Álvaro- Afonso FJ. The influence of the length of the first metatarsal on the risk of reulceration in the feet of patients with diabetes. *The international journal of lower extremity wounds*. 2014;13(1):27-32. A. (JCR: 0,928/ Q3 Surgery)
- Aragón-Sánchez J, Lázaro-Martínez JL, García-Álvarez Y, García Morales E, Hernández-Herrero MJ. Albuminuria is a predictive factor of in-hospital mortality in patients with diabetes admitted for foot disease. *Diabetes research and clinical practice*. 2014;104(1): 23-5. A. (JCR: 2.538/ Q3 Endocrinology and metabolism)
- Álvaro-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 research and clinical practice*. 2014;105(1): 3-5. A. (JCR: 2,538/ Q3 Endocrinology and metabolism)
- Lázaro-Martínez JL, Aragón-Sánchez J, Álvaro-Afonso FJ, García-Morales E, García-Álvarez Y, Molines-Barroso RJ. The best way to reduce reulcerations: if you understand biomechanics of the diabetic foot, you can do it. *The international journal of lower extremity wounds*. 2014;13(4):294-319. R. (JCR: 0,928/ Q3 Surgery)

- Sanz-Corbalán I, Lázaro-Martínez JL, Aragón-Sánchez J, García-Morales E, Molines-Barroso R, Álvaro-Afonso FJ. Analysis of ulcer recurrences after metatarsal head resection in patients who underwent surgery to treat diabetic foot osteomyelitis. *Int J Low Extrem Wounds*. 2015 Jun;14(2):154-9. (JCR: 1,366/ Q3 Surgery)
- Álvaro-Afonso FJ, Lázaro-Martínez JL, Aragón-Sánchez J, García-Morales E, García-Álvarez Y, Molines-Barroso RJ. What Is the Clinical Utility of the Ankle-Brachial Index in Patients With Diabetic Foot Ulcers and Radiographic Arterial Calcification? *Int J Low Extrem Wounds*. 2015 Dec;14(4):372-6. (JCR: 1,366/ Q3 Surgery)
- Molines-Barroso RJ, Lázaro-Martínez JL, Aragón-Sánchez FJ, Álvaro-Afonso FJ, García-Morales E, García-Álvarez Y. Forefoot ulcer risk is associated with foot type in patients with diabetes and neuropathy. *Diabetes Res Clin Pract* 2016. Apr;114:93-8. (JCR: 3,639/ Q2 Endocrinology and metabolism)
- Wilson P, Baker N, Van Acker K, Gavan N, Garcia Morales E, Garafoulis M, Baird, S Teugels C, Hendrix, L, Fransen M. The POINT project. *The Diabetic Foot Journal* 21(2): 1-5.
- Sanz-Corbalán I, Lázaro-Martínez JL, Garcia-Morales E, Molines-Barroso R, Alvaro-Afonso F, Garcia-Alvarez Y. Advantages of early diagnosis of diabetic neuropathy in the prevention of diabetic foot ulcers. *Diabetes Res Clin Pract*. 2018;146:148-54. (JCR: 2,548/ Q2 Endocrinology & Metabolism).
- Alvaro Afonso FJ, García-Morales E, Molines-Barroso RJ, García-Álvarez Y, Sanz-Corbalán I, Lázaro-Martínez JL. Respond to the letter on 'Interobserver reliability of the ankle brachial index, toe-brachial index and distal pulse palpation in patients with diabetes: a methodological issue'. *Diab Vasc Dis Res*. 2018;15(6):578-9. (JCR: 3,34/ Q2 Peripheral vascular disease).
- Tardáguila-García A, Lázaro-Martínez JL, Sanz-Corbalán I, García-Álvarez Y, Alvaro-Afonso FJ, García-Morales E. Correlation between Empirical Antibiotic Therapy and Bone Culture Results in Patients with Osteomyelitis. *Adv Skin Wound Care*. 2018. (JCR: 1,377/ Q3 dermatology).
- Álvaro-Afonso FJ, Lázaro-Martínez JL, García-Morales E, García-Álvarez Y, Sanz-Corbalán I, Molines-Barroso RJ. Cortical disruption is the most reliable and accurate plain radiographic sign in the diagnosis of diabetic foot osteomyelitis. *Diabet Med*. 2018. (JCR: 1,191/ Q2 Endocrinology & metabolism).
- Lázaro-Martínez JL, Álvaro-Afonso FJ, García-Álvarez Y, Molines-Barroso RJ, García-Morales E, Sevillano-Fernández D. Ultrasound-assisted debridement of neuroischaemic diabetic foot ulcers, clinical and microbiological effects: a case series. *J Wound Care*. 2018;27(5):278-86. (JCR: 0,85 / Q1 Fundamentals and Skills)
- Álvaro-Afonso FJ, García-Morales E, Molines-Barroso RJ, García-Álvarez Y, Sanz-Corbalán I, Lázaro-Martínez JL. Interobserver reliability of the ankle-brachial index, toe-brachial index and distal pulse palpation in patients with diabetes. *Diab Vasc Dis Res*. 2018;15(4):344-7. (JCR: 3,34/ Q2 Peripheral vascular disease)
- Lázaro-Martínez JL, García-Álvarez Y, Álvaro-Afonso FJ, García-Morales E, Sanz-Corbalán I, Molines-Barroso RJ. Hard-to-heal diabetic foot ulcers treated using negatively charged polystyrene microspheres: a prospective case series. *J Wound*

Care. 2019 Feb 2;28(2):104-109. doi: 10.12968/jowc.2019.28.2.104. PMID: 30767644. (JCR: 1,33 / Q1 Fundamentals and Skills)

- Sanz-Corbalán I, Lázaro-Martínez JL, García-Álvarez Y, García-Morales E, Álvaro-Afonso F, Molines-Barroso R. Digital Deformity Assessment Prior to Percutaneous Flexor Tenotomy for Managing Diabetic Foot Ulcers on the Toes. *J Foot Ankle Surg.* 2019 Feb 6. pii: S1067-2516(18)30419-8. doi: 10.1053/j.jfas.2018.09.015. [Epub ahead of print] PMID: 3073861. (JCR: 1,192 / Q2 Orthopedics and sport medicine)
- Molines-Barroso RJ, Lázaro-Martínez JL, Beneit-Montesinos JV, Álvaro-Afonso FJ, García-Morales E, García-Álvarez Y. Predictors of Diabetic Foot reulceration beneath the Hallux. *J Diabetes Res.* 2019 Jan 8;2019:9038171. doi: 10.1155/2019/9038171. eCollection 2019. (JCR: 0,733 / Q2 Endocrinology & Metabolism)
- Tardáguila-García A, García-Morales E, García-Alamino JM, Álvaro-Afonso FJ, Molines-Barroso RJ, Lázaro-Martínez JL. Metalloproteinases in chronic and acute wounds: a systematic review and meta-analysis. *Wound Repair Regen.* 2019 Mar 14. (JCR: 2,952 /Q1 Dermatology)
- Molines-Barroso, RI, Lázaro-Martínez JL, Beneit-Montesinos JV, Álvaro-Afonso FJ, García-Morales E, Yolanda García-Álvarez Y. Early Foot Structural Changes After Lateral Column Exostectomy in Patients With Charcot Foot. *Int Journal of Lower Extremity wound.* 2019 May 14. (JCR: 0,57 /Q2 Medicine/Miscellaneous).
- Lázaro-Martínez JL, García-Álvarez, Y, Tardáguila-García A, García-Morales E. Optimal management of diabetic foot osteomyelitis: challenges and solutions. *Diabetes Metab Syndr Obes.* 2019 Jun 21;12:947-959.
- Molines-Barroso RJ, García-Álvarez Y, García-Klepzig JL, García-Morales E, Álvaro-Afonso FJ, Lázaro-Martínez JL. Differences in the Sub-Metatarsal Fat Pad Atrophy Symptoms between Patients with Metatarsal Head Resection and Those without Metatarsal Head Resection: A Cross-Sectional Study. *J Clin Med.* 2020 Mar 14;9(3):794