

Marise Lazaretti-Castro, Resumé

Marise Lazaretti Castro is Associate Professor in Internal Medicine, Division of Endocrinology, at **Escola Paulista de Medicina – Universidade Federal de Sao Paulo (EPM-UNIFESP)**, Brazil, and the Head of Bone and Mineral Unit in the same University.

She obtained her **MD degree** at EPM-UNIFESP in 1988 and a **PhD degree** in 1992 in the same university. While pursuing her PhD, she received a scholarship from Deutsch Akademischer Austauschdienst (DAAD) for a sandwich-program at **Heidelberg Universität**, Germany, from 1988 to 1990. There, she studied *in vitro* models of cell cultures to investigate the effect of hormones on Calcitonin secretion and Vitamin D metabolites. In 2002, she became **Senior Lecturer** and in 2010 was appointed **Associate Professor** at UNIFESP. Since 2016 she is the Coordinator of Endocrinology Post-Graduation Program at EPM-UNIFESP, which has presently more than 60 MD and PhD students, working in different areas of Endocrinology and Diabetes.

She has served as **Head, Metabolic Bone Diseases Unit** since 2002, coordinating specialized Outpatient Clinics in the School-Hospital of EPM-UNIFESP, teaching medicine students and residents, and mentoring many post-graduate students from all the country. Her main area of research is Bone and Mineral Metabolism and related diseases, with special interest on Vitamin D. She has served as scientific advisor for the Sao Paulo State Secretary of Health for osteoporosis and Vitamin D policy on many occasions.

Dr. Lazaretti-Castro participates actively in other professional and scientific organizations, such as **Brazilian Society of Endocrinology and Metabolism (SBEM)**, where she was vice-president from 2013-2014 and organized many regional and national Scientific Meetings. In 2013 she coordinated the first Brazilian guidelines for assessment of Vitamin D deficiency and supplementation. With other colleagues, she founded in 2012 the **Brazilian Society of Bone and Mineral Research (ABRASSO)**, where she was Scientific Director from 2015-2016 and now serves as President, 2017-2018.

Her research in Bone and Mineral Metabolism is focused on Osteoporosis and other bone fragilities and on Vitamin D metabolism and consequences of its deficiency.

Relevant publications:

- 1: Palomo T, Vilaça T, Lazaretti-Castro M. Osteogenesis imperfecta: diagnosis and treatment. *Curr Opin Endocrinol Diabetes Obes.* 2017 Dec;24(6):381-388.

- 2: Radominski SC, Bernardo W, Paula AP, Albergaria BH, Moreira C, Fernandes CE, Castro CHM, Zerbini CAF, Domiciano DS, Mendonça LMC, Pompei LM, Bezerra MC, Loures MAR, Wender MCO, Lazaretti-Castro M, Pereira RMR, Maeda SS, Szejnfeld VL, Borba VZC. Brazilian guidelines for the diagnosis and treatment of postmenopausal osteoporosis. *Rev Bras Reumatol Engl Ed.* 2017;57 Suppl 2:452-466.

- 3: Borges JLC, Miranda ISM, Sarquis MMS, Borba V, Maeda SS, Lazaretti-Castro M, Blinkey N. Obesity, Bariatric Surgery, and Vitamin D. *J Clin Densitom.* 2017 Apr 17. pii: S1094-6950(16)30288-8.

- 4: Mierzwa AGH, Campos JF, Jesus MF, Nader HB, Lazaretti-Castro M, Reginato RD. Different doses of strontium ranelate and mechanical vibration modulate distinct responses in the articular cartilage of ovariectomized rats. *Osteoarthritis Cartilage.* 2017 Jul;25(7):1179-1188.

- 5: Bonanséa TC, Ohe MN, Brandão C, Ferrer CF, Santos LM, Lazaretti-Castro M, Vieira JG. Experience with a third-generation parathyroid hormone assay (BIO-PTH) in the diagnosis of primary hyperparathyroidism in a Brazilian population. *Arch Endocrinol Metab.* 2016 Oct;60(5):420-425.

- 6: Nolasco R, Moreira LD, Bocalini DS, Fronza FC, Marin RV, Lazaretti-Castro M. Effects of vitamin D supplementation on pulmonary function in postmenopausal women following an aquatic exercise program. *Arch Endocrinol Metab.* 2017 Jan-Feb;61(1):28-35

- 7: Dutra MC, de Oliveira ML, Marin RV, Kleine HC, Silva OL, Lazaretti-Castro M. Whole-body vibration improves neuromuscular parameters and functional capacity in osteopenic postmenopausal women. *Menopause.* 2016 Aug;23(8):870-5.

- 8: Arantes HP, Gimeno SG, Chiang AY, Bilezikian JP, Lazaretti-Castro M. Incidence of vertebral fractures in calcium and vitamin D-supplemented postmenopausal Brazilian women with osteopenia or osteoporosis: data from Arzoxifene Generations Trial. *Arch Endocrinol Metab.* 2016 Feb;60(1):54-9

9: Siviero-Miachon AA, Spinola-Castro AM, de Martino Lee ML, Calixto AR, Geloneze B, Lazaretti-Castro M, Guerra-Junior G. Visfatin is a positive predictor of bone mineral density in young survivors of acute lymphocytic leukemia. *J Bone Miner Metab.* 2017 Jan;35(1):73-82

10: dos Santos LM, Guerra RA, Lazaretti-Castro M, Vieira JG, Portes Ede S, Dias-da-Silva MR. An approach to the diagnosis and management of a case presenting with recurrent hypomagnesemia secondary to the chronic use of a proton pump inhibitor. *Magnes Res.* 2015 Dec;28(4):136-45.

11: Palomo T, Andrade MC, Peters BS, Reis FA, Carvalhaes JT, Glorieux FH, Rauch F, Lazaretti-Castro M. Evaluation of a Modified Pamidronate Protocol for the Treatment of Osteogenesis Imperfecta. *Calcif Tissue Int.* 2016 Jan;98(1):42-8.

12: Muszkat P, Camargo MB, Peters BS, Kunii LS, Lazaretti-Castro M. Digital vertebral morphometry performed by DXA: a valuable opportunity for identifying fractures during bone mass assessment. *Arch Endocrinol Metab.* 2015 Apr;59(2):98-104.

13: de França NA, Camargo MB, Lazaretti-Castro M, Peters BS, Martini LA. Dietary patterns and bone mineral density in Brazilian postmenopausal women with osteoporosis: a cross-sectional study. *Eur J Clin Nutr.* 2016 Jan;70(1):85-90.

14: Gaspar AP, Brandão CM, Lazaretti-Castro M. Bone mass and hormone analysis in patients with spinal cord injury: evidence for a gonadal axis disruption. *J Clin Endocrinol Metab.* 2014 Dec;99(12):4649-55.

15: Camargo MB, Kunii LS, Hayashi LF, Muszkat P, Anelli CG, Marin-Mio RV, Martini LA, França N, Lazaretti-Castro M. Modifiable factors of vitamin D status among a Brazilian osteoporotic population attended a public outpatient clinic. *Arq Bras Endocrinol Metabol.* 2014 Jul;58(5):572-82.

16: Maeda SS, Borba VZ, Camargo MB, Silva DM, Borges JL, Bandeira F, Lazaretti-Castro M; Brazilian Society of Endocrinology and Metabology (SBEM). Recommendations of the Brazilian Society of Endocrinology and Metabology (SBEM) for the diagnosis and treatment of hypovitaminosis D. *Arq Bras Endocrinol Metabol.* 2014 Jul;58(5):411-33.