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The global vascular guidelines “PLAN”. How Wifl classification and GLASS can help in an individualized clinical or surgical decision-making?

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The Wifl classification, a new classification system for the threatened lower limb, has been proposed by the Society for Vascular Surgery and it is based on the three main factors that have an impact on limb amputation risk: Wound (W), ischemia (I) and foot infection (fi). This classification can predict the risk of amputation at 1 year and the need for limb revascularization. It was endorsed by the global vascular guidelines (GVG), which proposed a new global anatomic staging system (GLASS). This scheme has three final stages of complexity for intervention, that involves defining a preferred target artery path (TAP) and then estimating limb-based patency (LBP). Together, Wifl and GLASS help to define the preferred revascularization strategy, according to “PLAN” concept, what is a three-step integrated approach, based on patient risk estimation, limb staging and anatomic pattern of disease.

Recent Publications


1. Lorena de oliveira Cerqueira et al., Wifl classification: the Society for Vascular Surgery lower extremity threatened limb classification system, a literature review. J. vasc. bras.,Porto Alegre, v. 19, e20190070, 2020

2. Eliud Garcia Duarte Junior, Lorena de Oliveira Cerqueira, Jose Roberto Cerqueira. A Utilizacao da Classificacao Wifl em Pacientes Diabéticos com Isquemia Crítica. Oliveira, Julio Cesar Peclat. In: Isquemia dos membros Inferiores. São Paulo: DiLivros, p. 591-598, 2020.
3. Lorena de oliveira Cerqueira et al., Tropicurus torquatus (Squamata: Tropicuridae) as a bioindicator of heavy metal (aluminum and zinc) pollution in Vila Velha, Brazil. Environmental Science and Pollution Research, v. 25, p. 1210-1219, 2018.

Speaker Biography

Lorena de Oliveira Cerqueira is an honors graduate medical doctor from Vila Velha University, School of Medicine, where she also started her studies about Wifl classification for lower extremity threatened limb. She is currently a second-year general surgery resident at Federal University of Espirito Santo and member of the Brazilian Society of Angiology and Vascular Surgery (SBACV). She has some publications about Wifl classification, including an literature review, published in the Brazilian Vascular Journal and some book chapters, in addition to several classes and exhibitions on this subject. At the moment, she is working in two new book chapters about lower extremity threatened limb adequated classification.

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