

Sports Nutrition and Ortho Congress

December 08-09, 2016 | Philadelphia, USA

Critical analysis of surgical options in Hallux Valgus

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When correcting a hallux valgus deformity, the technique chosen should depend on the deformity to be corrected, and the individual correction power of a particular technique. Although the classic intermetatarsal angle value is <9 degrees; while correcting a hallux valgus deformity there are individual variations in the angular measurements and not every hallux valgus is the same. In order to do achieve the correct alignment, as it has been shown that in hallux valgus the deformity comes from a medial deviation of the metatarsal bone, where the sesamoids mark the original position where the metatarsal head was located the ideal position for the metatarsal head should be on top of the sesamoid complex. Indeed, it has been shown that an incomplete post-operative reduction of the sesamoids constitutes a risk factor for recurrence of the deformity. Following this line of thinking, we currently use a new angular measurement to choose our osteotomy to correct the intermetatarsal angle, which is the angle to be corrected. This angle is obtained drawing a line through the first metatarsal axis and then drawing a second line from the same starting point on the base of the first metatarsal but going distally through the middle of the sesamoid complex. This angle represents the amount of degrees we have to move the metatarsal in order to center the head over the sesamoids. After defining the correction power of each technique we then can choose correctly the proper surgical procedure between more than a 180 techniques including chevron, scarf, poscow, lapidus, MTP arthrodesis, minimally invasive surgery, etc.

Biography

Cristian Ortiz has completed a Foot and Ankle Fellowship at ASMI Birmingham Alabama. He has been past President of the Chilean Foot and Ankle Society (2015) as well as President of the Chilean Academy of Orthopedic Surgeons (2015). He is the Chief of Foot and Ankle department in Clinica Alemana and Universidad del desarrollo in Santiago Chile and Director of the Foot and Ankle Fellowship program. He serves on the Board of AOFAS and IFFAS. He has published more than 25 papers and has worked as a Consultant for 4 important companies related to foot and ankle equipment.

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