

FIRST MTPJ ARTHRODESIS: DOES THE FOOT FUNCTION?

Richard T. Bouché, D.P.M.
rbouche@nwhsea.org

REFERENCES

Functional Testing Post 1st MTPJ Arthrodesis

Functional Testing

-Brodsky JW, Passmore RN, et al.: Functional outcome of arthrodesis of the first metatarsophalangeal joint using parallel screw fixation. *Foot Ankle Int* 26(2): 140-146, 2005

Gait Observation

-Johansson JE, Barrington TW: Cone arthrodesis of the first metatarsophalangeal joint
Foot & Ankle 4(5):244-248, 1984
-Mann RA, Oates JC: Arthrodesis of the first metatarsophalangeal joint. *Foot & Ankle* 1(3):159-166, 1980

Harris Pressure Mat

-Henry APT, Waugh W: The use of footprints in assessing the results of hallux valgus. *J Bone Joint Surg* 57B:478, 1975

Pedobarography (Kinetic)

-Beauchamp CG, Kirby T, et al.: Fusion of the first metatarsophalangeal joint in forefoot arthroplasty. *Clin Orthop Rel Res* 190:249-253, 1984
-Samnegard E, Turan I, et al.: Postoperative evaluation of Keller's arthroplasty and arthrodesis of the first metatarsophalangeal joint using the EMED gain analysis system. *J Foot Surg* 30(4):373-374, 1991
-Southgate JJ, Urry SR: Hallux rigidus: long-term results of dorsal wedge osteotomy and arthrodesis in adults. *J Foot Ankle Surg* 36(2):136-140, 1997

Pedobarography (Kinetic) & Motion Analysis (Kinematic)

-Defrino PF, Brodsky JW, et al.: First metatarsophalangeal arthrodesis: a clinical, pedobarographic and gait analysis study. *Foot & Ankle Int* 23(6):496-502, 2002

-Brodsky JW, Baum BS, et al.: Prospective gait analysis in patients with first MTPJ arthrodesis for hallux rigidus. *Foot & Ankle Int* 28(2):162-165, 2007

Related Articles

-Bouché RT, Adad JMR: Arthrodesis of the first metatarsophalangeal joint in active patients. *Clin Pod Med Surg*, 1996

-Lombardi CM, Silhanek AD, Connolly FG, et al.: The effect of first metatarsophalangeal joint arthrodesis on the first ray and the medial longitudinal arch: a radiographic study. *J Foot Ankle Surg* 41(2):96-103, 2002

Updated 10/11