

Marker_Sets

IORgait - Marker Placement

The IOR marker set is comprised of 36 markers. It is best if marker placement done by an individual who is experienced with palpating anatomical positions.

The anatomical location of each target is referenced to the description in the [Color Atlas of Skeletal Landmark Definitions](#). This text is useful for further description of target location as well as recommendations for palpation.

Marker Placement - Listed by knees to toes	Marker Name	Description	Reference Page	URFA1	Proximal tip of the head of the fibula	URFA2	Most anterior border of the tibial tuberosity	URFA3	Lateral prominence of the lateral malleolus	URFA4	Most medial prominence of the medial malleolus	URFA5	Aspect of the Achilles tendon insertion on the calcaneus	URFA6	Sustentaculum	URFA7	Lateral apex of the peroneal tubercle	URFA8	Navicular tuberosity	URFA9	Tuberosity of 5th Metatarsal	URFA10	Base of First Metatarsal	URFA11	Base of Second Metatarsal	URFA12	Dorsal margin of the first metatarsal head	URFA13	Dorsal aspect of the second metatarsal head	URFA14	Dorsal margin of the fifth metatarsal head	URFA15	Distal epiphysis, midpoint between PL6 and PWB
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IORfoot - Marker Placement

The anatomical location of each target is referenced to the description in the [Color Atlas of Skeletal Landmark Definitions](#). This text is useful for further description of target location as well as recommendations for palpation.

The FMB and SMB target locations are not described in the [Color Atlas](#), but are described in the [Leardini multi-segment foot paper](#).

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References

1. [1.00 1.01 1.02 1.03 1.04 1.05 1.06 1.07 1.08 1.09 1.10 1.11 1.12 1.13 1.14 1.15 1.16 1.17 1.18 1.19 1.20 1.21 1.22 1.23 1.24 1.25 1.26 1.27 1.28 1.29 1.30 1.31 1.32 1.33 1.34](#) Serge van Sint Jan “[Color Atlas of Skeletal Landmark Definitions: Guidelines for Reproducible Manual and Virtual Palpations](#)” 2007 - Churchill Livingstone

2. [2.0 2.1](#) Leardini, A., M.G. Benedetti, L. Berti, D. Bettinelli, R. Nativo, and S. Giannini. “[Rear-foot, Mid-foot and Fore-foot Motion during the Stance Phase of Gait.](#)” Gait & Posture 25 (2007): 453-55

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