

Foot Impression Method - Clinician Process

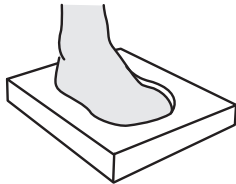
Information Provided By Kevin Orthopedic Institute

Foam Impression

Quick, simple and accurate



2% FOOT TO IMPRESSION
VARIATION TOLERANCE



SUBMIT ORDER

Ship impression foam with completed order form to laboratory¹

STANDARD LAB PROCESS

Plaster Positive Model Vacuum Formed (CAD CAM Positive Vacuum Formed optional)

FOOT MODEL DATA

Model storage for 3 months (return positive model optional)

ADVANTAGES

- Yields an accurate and precise foot impression
- Captures the foot's natural fat pad expansion
- Fastest capture of patient's foot impression

DISADVANTAGE

- Casting method is difficult to master

CLINICAL PEARL

To achieve a balanced impression, impress foot with heel, 1st and 5th metatarsal heads plantigrade while achilles tendon is plumb-lined in sagittal plane with Anterior Superior Iliac Spine.



1 Ensure chair height will allow foot to sit level on ground surface. Find neutral position for hip, lower extremity joints and bone segments.



2 Place plantar surface of heel on impression foam directly under the center mass of knee. Ensure foot is in middle of foam impression.



3 Grasp anterior ankle, stabilize STJ and hold achilles tendon vertical. Push heel to the bottom of foam using contralateral hand atop of knee.



4 Distribute hand force and push the styloid and 5th ray to the bottom of foam. Then, pendulum the tarsometatarsal joints in plantarflexion until metatarsals 5-2 are at the bottom of foam.



5 Push 1st metatarsal heads to bottom of foam in a similar motion allowing the TN and tarsometatarsal joints to articulate naturally.



6 Starting at the 5th toe, plantarflex all metatarsal heads 5-1 until distal phalanges are at bottom of foam.



7 Grasping and stabilizing STJ, push styloid again to the bottom of the foam impression.



8 Carefully lift foot superior, heel first out of the impression foam.



9 Inspect impression, look for neutral heel impressions with lateral and medial edges at the same height. The heel, 1st and 5th metatarsal heads should all be plantigrade. Often the arches will be higher than desired. In these cases, reposition the foot and push impression foam lower. The contour shape should closely represent the desired congruency for the orthotic frame. Pack foot impression with tissue paper to maintain structure while shipping. Print FedEx shipping label at www.kevinorthopedic.com/fedex

Note: All illustrations and diagrams are of right foot
¹ Print FedEx labels at www.kevinorthopedic.com/fedex