Foot Impression Method - Clinician Process

Information Provided By Kevin Orthopedic Institute

Plaster Slipper Cast
Gold standard of impression methods

SUBMIT ORDER
Ship plaster cast with completed order form to laboratory.

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
• Ease of aligning the foot

DISADVANTAGES
• Time-consuming
• Messy

CLINICAL PEARL
To achieve a balanced cast, suspend foot with heel, 1st and 5th metatarsal heads in level plane while achilles tendon is plumblined with Anterior Superior Iliac Spine.

Find neutral hip position by internally and externally rotating hip.

Prepare plaster splints, gauze and water.

Dip and wring out splint.

Place moist splint extending from 1st met head around heel to 5th met head.

Fold splint over center to seal up the bottom of the cast.

Push extra plaster over the back of the heel.

Moisten and hang the 2nd splint over toes. 1/3 above, 2/3 below the toes.

With one finger under the splint, fold one side over and then the other.

With finger rub cast into the contours of the foot leaving with a smooth finish.

Place the gauze over the sulcus and interspace of the 4th and 5th toes.

Suspend foot with heel, 1st and 5th metatarsal heads plantigrade while achilles tendon is plumblined with ASIS.

After plaster is hard pull the skin away from the plaster.

Gently pull top of cast straight down.

Carefully slide cast forward and off the foot.

Inspect that the plantar surface has made a smooth mold of the foot.

Ship cast impression when dry and pack carefully.

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