

Date:

Patient Name:



BIOMECHANICAL ANALYSIS & GAIT ASSESSMENT

Sub-talar neutral negative impressions have been received for the above patient. These casts have been utilized in the production of custom foot orthotic devices.

DIAGNOSIS

Plantar Fasciitis	Pes Cavus	Pes Planus
Shin Splints	Hallux Valgus	Hallux Limitus (functional)
Hallux Limitus (rigid)	Metatarsalgia	Neuroma
Patello-Femoral Syndrome	Posterial Tibial	Tendonitis
Osteo-Arthritis	Lower Back Pain	Hip Pain
Leg Length Discrepancy	Heel Spur Syndrome	Upper Back Pain

Additional Notes (If any)



Forefoot Varus	R	L
Forefoot Valgus	R	L
Subtalar pronation/eversion	R	L
Genu Recarvatum	R	L
Genu Valgus	R	L
Genu Varus	R	L
Subtalar supination/inversion	R	L

RAW MATERIALS & FABRICATION PROCESS

Premier Orthotics Lab is in possession of the prescription form for the above patient. Sub-talar neutral negative cast impression utilizing foam casts, plaster slipper casts or 3D video laser scanner were received and this cast has been utilized in the production of custom foot orthotics.

Orthopedic footwear contains the following orthopedic properties – Strong heel counter, Deep toe box, Medially extended heel counter, Blucher closure system, Custom footbed made from Plaster of Paris positive casts of the patients foot and Extra depth last.

The following is a brief description of the methods and materials used in the production of custom-made foot orthotics –

Each negative sub-talar neutral non or semi-weight bearing cast received is filled with Plaster of Paris to obtain a positive model. The positive model is modified to achieve the desired amount of control and support. Depending on the desired function, high temperature thermoplastics or foam rubbers (Suborthelene, RCH 500, Polypropylene, Carbon fibre, EVA, Nickleplast) are heated and moulded to the plaster positive under vacuum. When cool, the shell is shaped using drum grinders and polishing wheels to fit the appropriate footwear. EVA (Foam Rubber) heel posts, arch fill (if necessary) and any other modifications are added at this time in accordance with the prescription provided.

Custom-made Orthotic Devices and Orthopedic footwear are medically necessary by prescription and made by Premier Orthotics Laboratory, certified member of PFOLA (Prescription Foot Orthotic Lab Association) having on its staff **Canadian Certified Pedorthist – Fareen Samji C.Ped.(c) #550C, Certified Prosthetic and Orthotic Technician – Eric Agnew, B.Sc.,M.Sc.,O.P(t)(Dipl),CCRA .**

