

PLANTAR PRESSURE MAPPING

AUTHORS: Zainab Farooq, Fatima Tuz Zahrah, Areeba Mansoor, Taha Malik, Fizza Anees, Ayesha Ayaz

WHAT IS PLANTAR PRESSURE MAPPING?



TECHNOLOGY & DEVICES



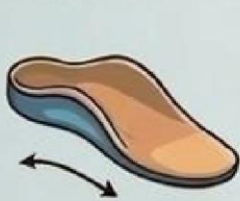
CLINICAL APPLICATIONS DIAGNOSTIC & MONITORING USES



Gait Analysis

Identify Force Vectors

- Supination
- Pronation



Orthotic Design

Personalized relief



Post-Op Assessment

Verifying surgical outcomes



Diabetic Foot Care

Ulcer Prevention

INTERPRETING DATA

VISUAL PATTERN GUIDE

EXAMPLE ADATTRN



NEUTRAL & BALANCED
Even distribution

EXAMPLE PATERN



REARFOOT HEAVY
Pes Cavus



FOREFOOT BIAS
Pes Planus



LATERAL LOADING
Supination



MEDIAL OVERLOAD
Pronation

REFERENCE: *Robustelli, A. (2021). Intro to plantar pressure mapping in sport. XSENSOR Technology Corporation.*