



Prosthetic Biomechanical Analysis Report

Prothexa AI Clinical Mobility Platform

Patient Name: Arjun Rao

Date: 2026-02-17

Age: 34

Report ID: PBAR-081524

Patient Clinical Profile

Parameter	Value
Gender	Male
Height	175.0 cm
Weight	72.0 kg
BMI	23.51
Blood Pressure	118/76 mmHg
Blood Sugar	92 mg/dL
Existing Conditions	None

Gait Metrics Summary

Metric	Value	Interpretation
Step Length	65.0 cm	Normal
Cadence	102.0 spm	Normal
Walking Speed	1.2 m/s	Optimal
Gait Symmetry	0.92	Excellent
Skin Temp	33.2 °C	Stable
Pressure Distribution	0.88	Balanced
Skin Moisture	45.0 %	Low Risk

Risk Classification

Factor	Status
Gait Abnormality	Normal
Skin Irritation Risk	Low
Prosthetic Health Score	96.8/100
Overall Clinical Risk	Low

AI Clinical Interpretation & Recommendations

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