Movement Analysis & Range of Motion Report

Generated 09/11/2026, 00:30:34

PATIENT
Sample Patient / ID-0001

AGE
54

DATE OF ASSESSMENT
2026-11-09

CLINICIAN
Sample Clinician, PT, DPT

DIAGNOSIS / CHIEF COMPLAINT
Right knee pain after meniscectomy, 6 weeks post-op

ROM summary (active range of motion, degrees)

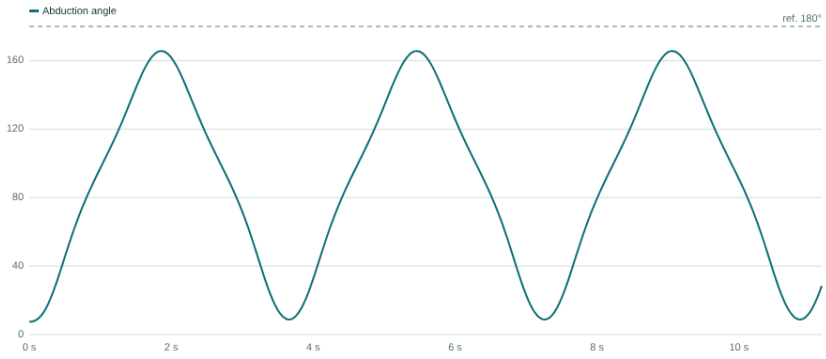
Movement	Left	Right	Reference	L–R diff.
SHOULDER				
Shoulder abduction	—	166° (92%)	180° (AAOS)	—
KNEE				
Knee flexion (standing)	98° (72%)	113° (84%)	135° (AAOS)	16°

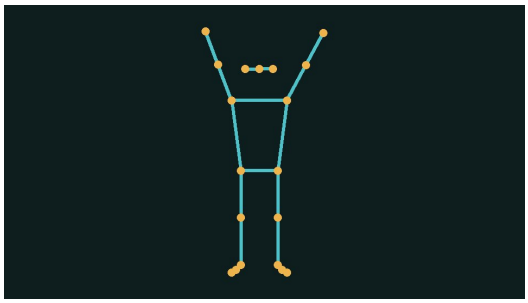
Shoulder abduction — Right

09/11/2026, 00:29:07 · 11.2 s · 336 frames

Parameter	Value	Reference	Status
Active ROM (peak)	**166°**	180° (AAOS)	Normal
Percent of reference	**92 %**	≥ 90 % WNL	Normal
Grade	**Within normal limits**		Normal
Repetitions completed	**3 / 3**	3	Normal
Peak variability (SD across repetitions)	**0.0°**	≤ 5°	Normal
Lateral trunk lean (max change)	**0°**	≤ 10°	Normal

No significant deviations detected.





Angle–time curve · skeletal model at peak range (photo hidden)

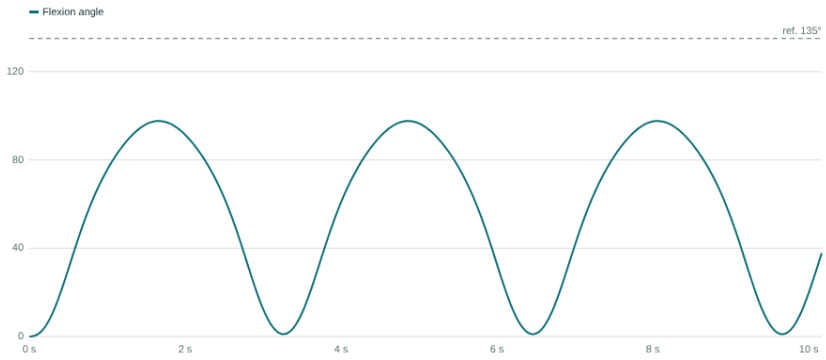
Knee flexion (standing) — Left

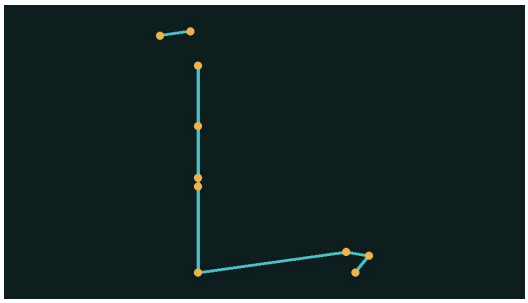
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Parameter	Value	Reference	Status
Active ROM (peak)	**98°**	135° (AAOS)	Abnormal
Percent of reference	**72 %**	≥ 90 % WNL	Abnormal
Grade	**Moderately limited**		Abnormal
Repetitions completed	**3 / 3**	3	Normal
Peak variability (SD across repetitions)	**0.0°**	≤ 5°	Normal

Findings

- Knee flexion, left: 98° (72 % of reference) — moderately limited.





Angle–time curve · skeletal model at peak range (photo hidden)

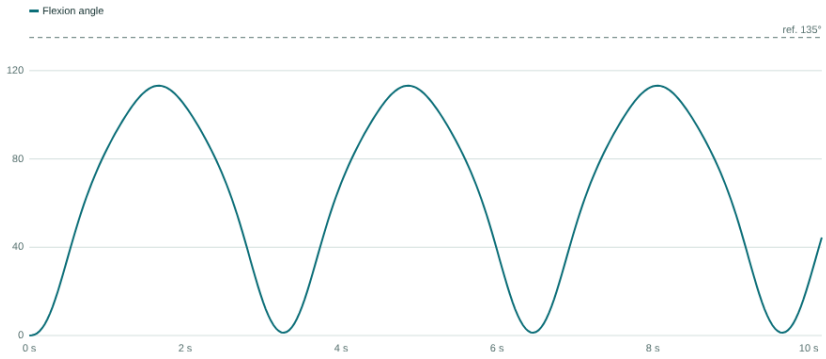
Knee flexion (standing) — Right

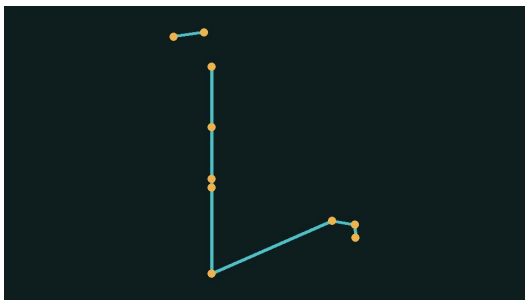
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Parameter	Value	Reference	Status
Active ROM (peak)	**113°**	135° (AAOS)	Borderline
Percent of reference	**84 %**	≥ 90 % WNL	Borderline
Grade	**Mildly limited**		Borderline
Repetitions completed	**3 / 3**	3	Normal
Peak variability (SD across repetitions)	**0.0°**	≤ 5°	Normal

Findings

- Knee flexion, right: 113° (84 % of reference) — mildly limited.





Angle–time curve · skeletal model at peak range (photo hidden)

Clinical impression / plan

Active knee flexion limited on the left compared with the right. Continue progressive ROM program 3x/week; re-assess in 4 weeks.

Sample Clinician, PT, DPT	*Sample Clinician*	2026-11-09
Clinician name and credentials	Signature	Date

Electronically signed by Sample Clinician on 2026-11-09 00:30.

Method: 2D video analysis with camera, typical error 5–10°.
Reference values: AAOS, AMA Guides (cervical spine), Springer et al. 2007 (single-leg stance), ASSH (TAM).
This document supports clinical assessment.