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MOHM Week 12 Notes

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→ Stability in stance phase → Braking mechanism

→ Geometric locking

→ Microprocessor control

→ Swing phase control

→ Shock absorption.

Single axis knees → fixed centre of rotation.

Polycentric knees → moving centre of rotation

→ Astorius effect → Discomfort due to braces as they are single axis.

→ Polycentric knee:

→ Uses a 4 bar linkage to change axis of rotation of the knee.

→ Shank shortening effect → greater toe clearance.