

62-year-old male:

- Right Hip
- Total Hip Arthroplasty
- Progression analysis with DARI Health
- Activities of Daily Living Assessment
- Joint Impairment Percentages
- Reimbursement Scheduling

Total Joint Rehab

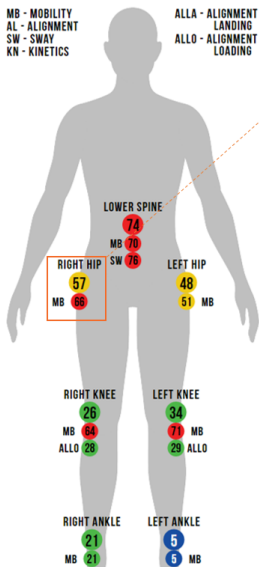
darimotion.com

Orthopedic Progression – Hip Arthroplasty Case Study

Lower Body Rehabilitation Analysis

MB - MOBILITY
AL - ALIGNMENT
SW - SWAY
KN - KINETICS

ALLA - ALIGNMENT
LANDING
ALLO - ALIGNMENT
LOADING



Baseline Screening: 6 weeks post-op; 9 movements; 4 mins testing time

The patient is post op from a right total hip joint replacement and is showcasing restricted range of motion (mobility). The Primary plane joint impairment is 66%. These restrictions have reduced the patient's ability to complete activities of daily living related to walking and sitting. Therapeutic interventions have been implemented to initially improve overall range of motion (mobility). Crutches should be used throughout the day, but light activities can be permitted if no pain is experienced.

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BODYWEIGHT SQUAT
Restricted mobility is defined as the inability to achieve the completion of motion in the primary plane of movement or arc of motion.

CONTRIBUTING FACTORS

- The patient has limited active range of motion at the primary plane of movement when compared to healthy population standards.

ASYMMETRY
+High R Ankle Flex 30% ⚠

STANDING HIP ADDUCTION RIGHT
Restricted mobility is defined as the plane or arc of motion that is primary to the completion of the movement is unable to be completed.

CONTRIBUTING FACTORS

- The patient has limited active range of motion at the primary plane of movement that restricts the completion of standard activities of daily living.
- Standing Hip Abduction - Hip Abduction Max Differed by 6.3° (L: 44.3°, R: 40°)

ASYMMETRY

TANDEM BALANCE
The definition of a fall is an event which results in a person coming to rest inadvertently on the ground or floor or other lower level.

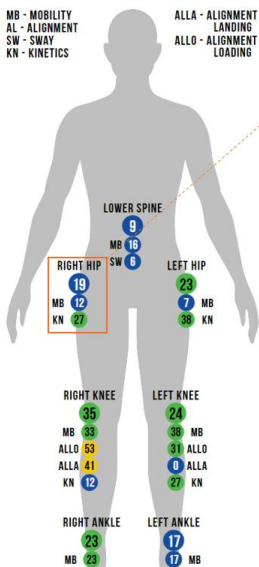
CONTRIBUTING FACTORS

- The patient has impaired balance during bilateral stance.
- Tandem Balance - COM Sway was 0.4 m

ASYMMETRY
+High L Ankle Flex 22% ⚠

MB - MOBILITY
AL - ALIGNMENT
SW - SWAY
KN - KINETICS

ALLA - ALIGNMENT
LANDING
ALLO - ALIGNMENT
LOADING



4th Screen: 24 weeks post-op; 9 movements; 4 mins testing time

The patient has shown the largest improvement. Full mobility and improved alignment have been achieved. Primary plane joint impairment is only 19%. Overall low asymmetry between sides is also noted. The patient is able to complete all physical activities of daily living related to walking and sitting. The patient shows full range to complete basic activity demands. The patient has completed their physical therapy and no longer has a medical necessity for treatments.

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BODYWEIGHT SQUAT
Satisfactory mobility is defined as the ability to achieve full motion in the primary plane of movement or arc of motion.

CONTRIBUTING FACTORS

- The patient has adequate active range of motion at the primary plane of movement when compared to healthy population standards.

ASYMMETRY
+High L COM Depth: 10% ⚠
+High R Knee Flex: 10% ⚠
+High L Ankle Flex: 11% ⚠

UNILATERAL SQUAT RIGHT
Satisfactory performance is defined as the ability to accomplish a task in accordance with agreed upon medical standards of accuracy, completeness, and efficiency.

CONTRIBUTING FACTORS

- The patient has adequate function of movement when compared to healthy population standards.

ASYMMETRY
+High R Ankle Flex: 45% ⚠

STEP DOWN LEFT - RIGHT STANCE
Physical Activities of Daily Living (ADL) are fundamental skills that are required to independently care for oneself such as; eating, bathing, and mobility.

CONTRIBUTING FACTORS

- The patient has satisfactory fundamental skills needed to manage basic physical needs related to transferring/ambulating.