Medical imaging for leg-length discrepancy



Get accurate leg-length measurements for your patients.

Quantifying leg-length discrepancy (LLD) is an important step in the proper treatment planning for patients with pain in their back or lower extremities, compensatory gait or degenerative arthritis.

We offer patients a convenient outpatient setting for completing a weightbearing anteroposterior (AP) radiograph, an imaging modality specialized for measuring LLD.

LLD imaging and measurement technique

- The patient stands on a clear plastic device with radio-opaque rulers adjacent to their legs
- 2. The technologist takes radiographs exactly centered at the hips, then knees, then ankles
- From these images, we measure the exact heights of each ankle, knee, hip and top of the iliac crest
- 4. The total length of each lower extremity is then calculated by adding the respective lengths of the ankle, foreleg and femur
- 5. A radiologist interprets the exam and creates a final report listing the various measurements and discussing any bony abnormalities that have contributed to the differences



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