

ALLEGRETTO™ Unicompartmental Knee Arthroplasty: Functional and X-Ray Results by Mini Invasive Surgical Technique

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Aim of the study

We aimed to determine

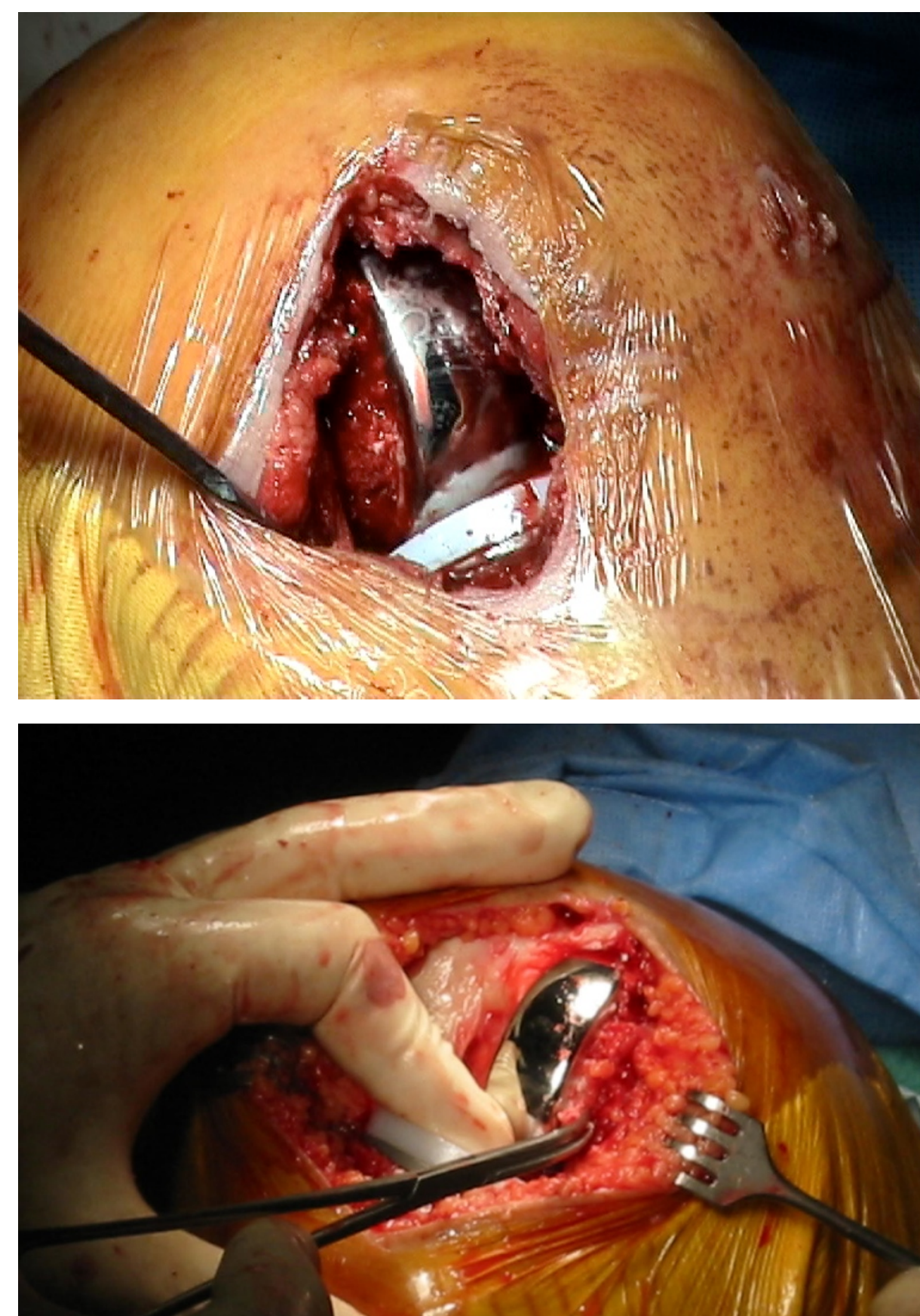
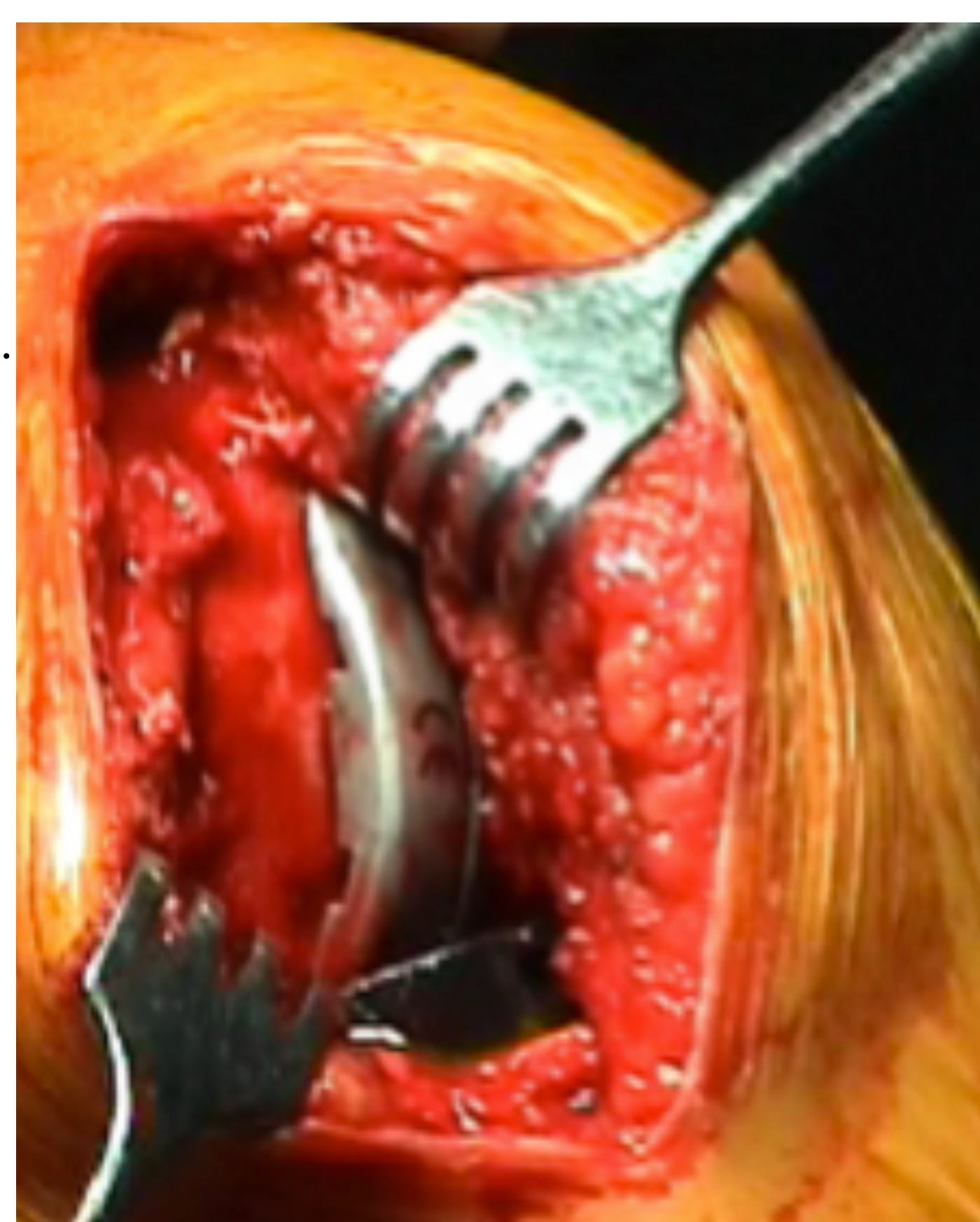
- (1) early functional outcome and
- (2) radiographic limb alignment and component placement in

Allegretto™ (Zimmer-Warsaw) unicompartmental knee replacement.

Materials and methods

We retrospectively evaluated 100 consecutive unicompartmental knee arthroplasties, performed in minimally invasive quadriceps sparing fashion, for medial compartment osteoarthritis.

Patients aged 51 to 82 years, with anteromedial tibial wear, less than 10 degrees of flexion contracture, correctable varus not exceeding 15 degrees, and an intact anterior cruciate ligament.



Results

Mean incision length was 8.3 cm; hospital stay 5 days, and blood loss 240 ml.

Flexion at 3 months was between 120 degrees and 145 degrees (mean, 132 degrees).

Among the patients, 80% could flex beyond 125 degrees , and 87% could sit cross-legged, kneel, and get up easily from the floor.

The mean hip-knee-ankle axis was 177 degrees . Ninety-three percent of femoral components were centered on the tibial component. Tibial component slope was restored in 91%.

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