

CASE STUDY : QRS 1



Dr. Chad Hanson

Desert Orthopaedic Center
2930 W. Horizon Ridge Pky,
Suite 100
Henderson, NV 89052



Case Background



Patient Medical History

- 71 – Year old female
- Years of left sided knee pain (8/10) interfering in daily activities
- Failed prior injections, therapy, activity modification & rest

Examination Notes

- BMI 33
- Antalgic gait with varus thrust
- Patello-femoral crepitus
- Radiographs – Severe joint space narrowing, subchondral cyst formation and lateralization of patella with osteophyte formation

Diagnosis

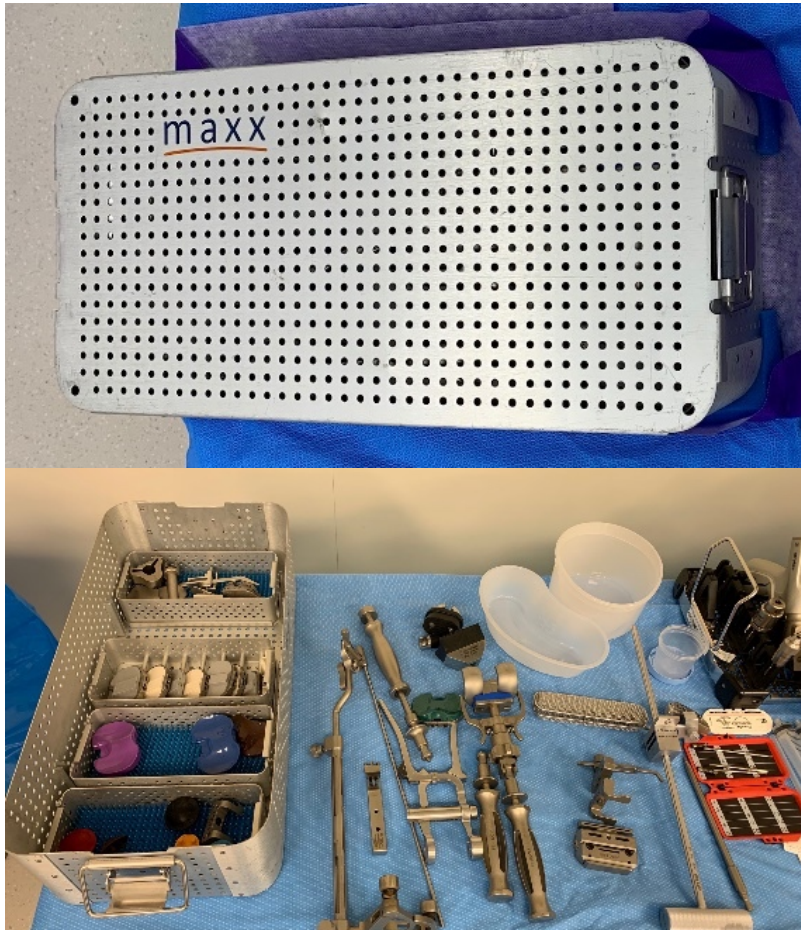
- End-stage left knee arthritis
- Recommended for arthroplasty

QRS Templating & Kit prep



- QRS Templating is performed to confirm office templating.
 - Size G femur
 - Size 7 tibia
- Preparation of 1 tray QRS Kit with Size F, G & H femoral modules completed

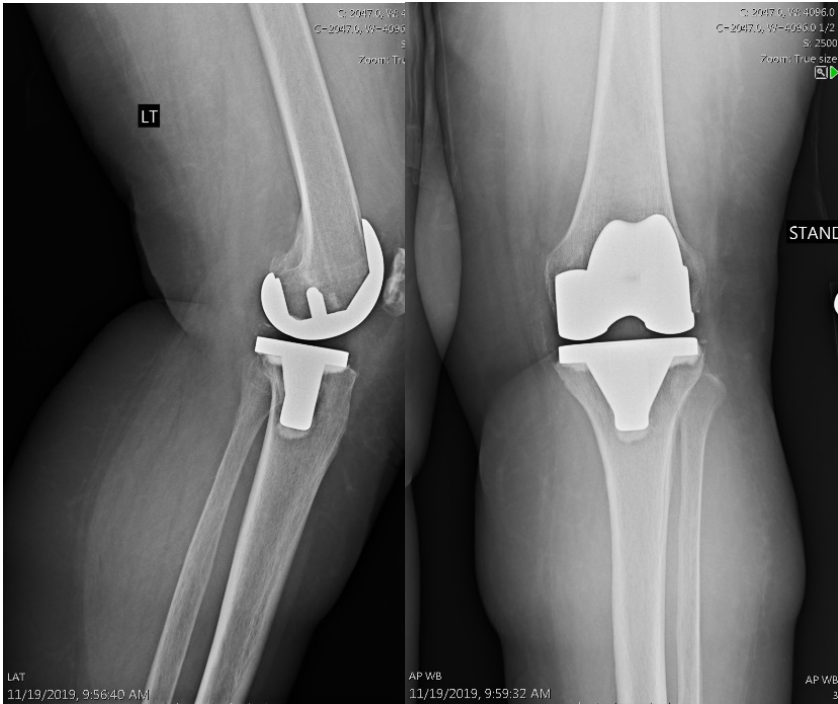
Surgical Procedure



Surgical Procedure

- Intra-op confirmation of patient's templates as appropriate for the case
- Initial cuts and measurements complete, including the use of a reciprocating saw to allow for the deep trochlear groove
- Trialing of components revealed that no further releases or adjustments are required – patient exhibits excellent patellar tracking
- Implants placed and wound closed in routine fashion
 - Size G femur
 - Size 7 Tibia

Patient Recovery



Patient Recovery

- Uncomplicated postoperative course
- Patient transitions well to independence
- Less than 2 months after surgery, reports going on a cruise with no pain
- Near full motion and strength in knee



“One of the many aspects of the Freedom Knee that I love is the deep trochlear groove of the femoral component. This allows for much improved patellar tracking and eliminates a majority of the releases that I was accustomed to doing with prior total joint systems”

Dr. Chad Hanson, M.D.