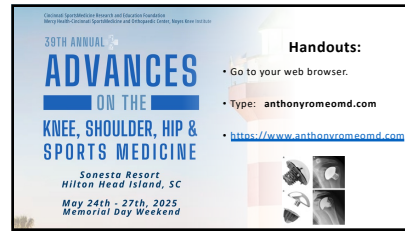


Anatomic Total Shoulder Arthroplasty in 2025: Indications & Technique

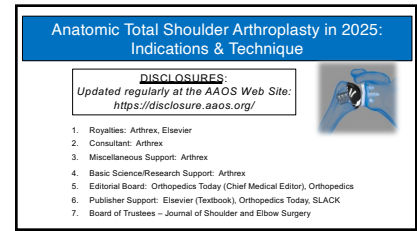
Advances on the Knee, Shoulder, and Sports Medicine May 2025



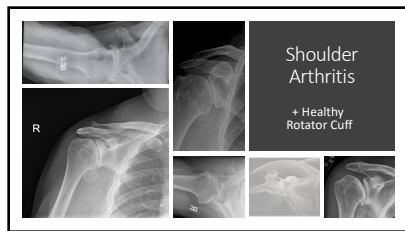
1



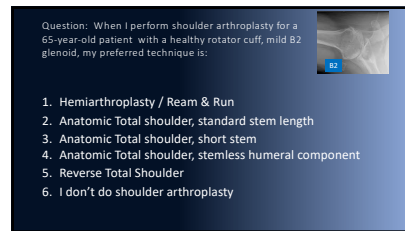
2



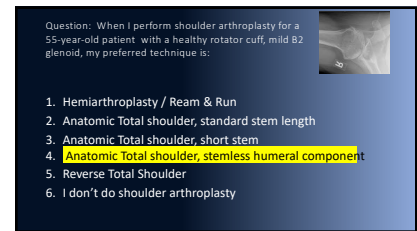
3



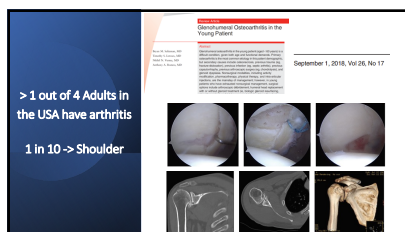
4



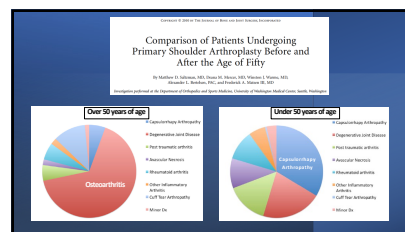
5



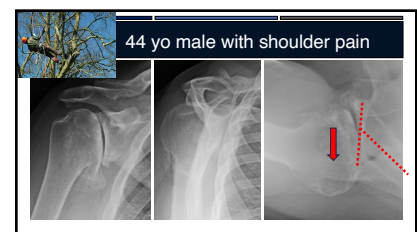
6



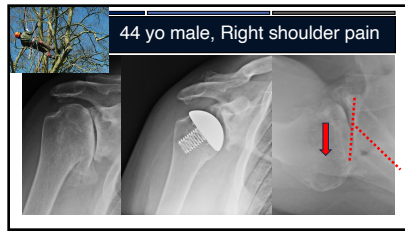
7



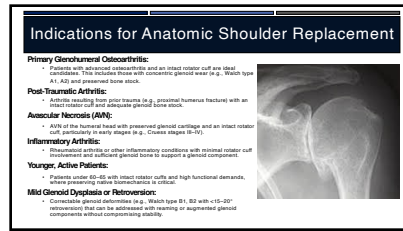
8



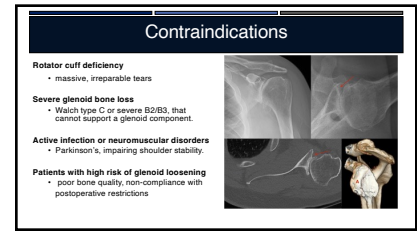
9



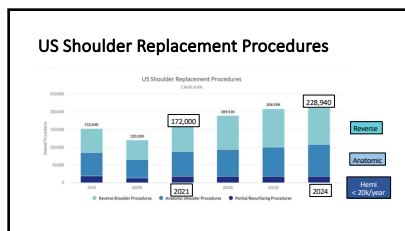
10



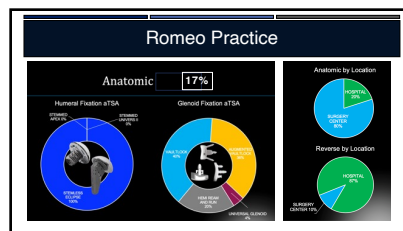
13



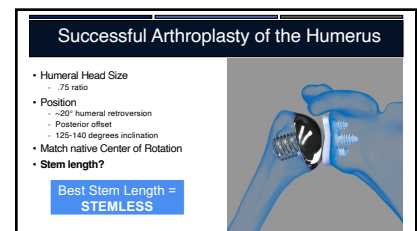
14



15



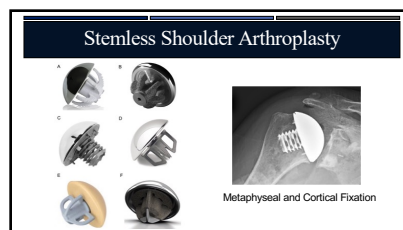
16



17



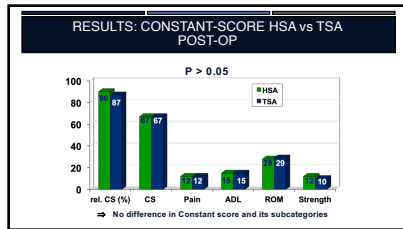
18



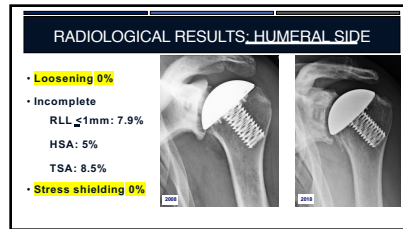
19



20



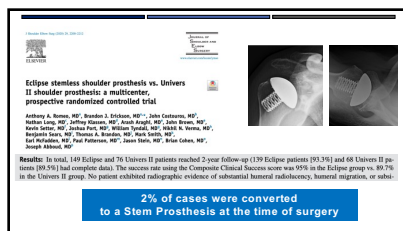
22



23



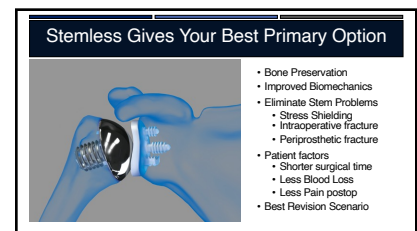
24



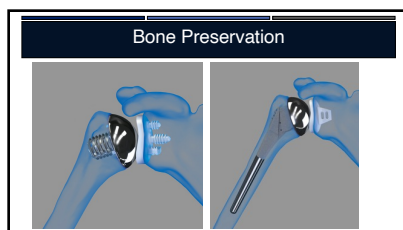
25



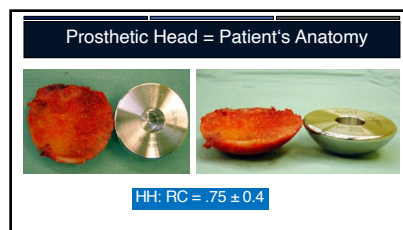
27



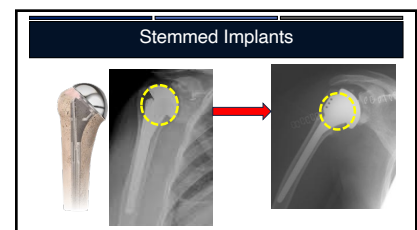
28



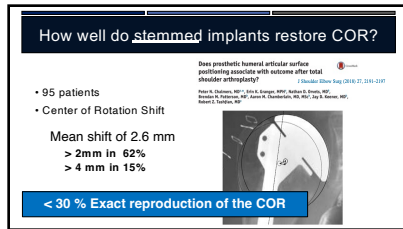
29



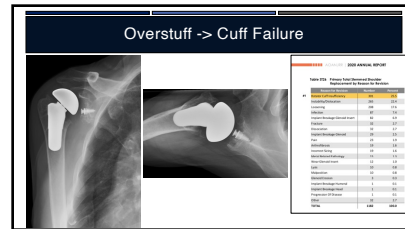
30



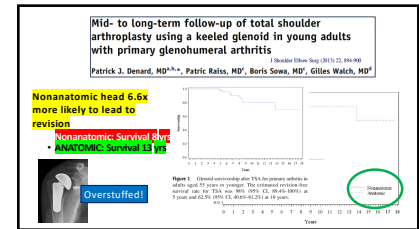
31



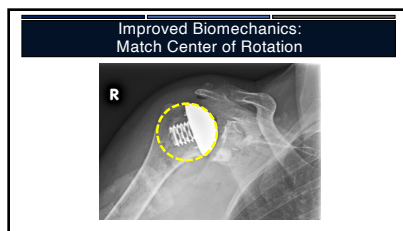
32



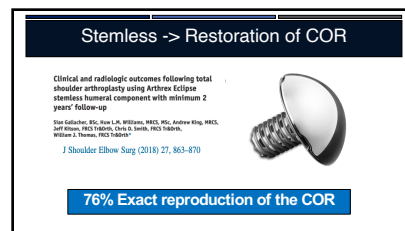
33



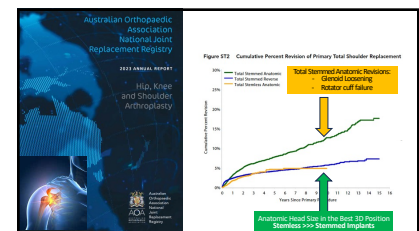
34



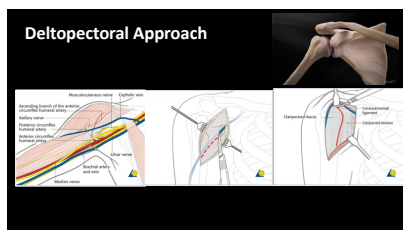
35



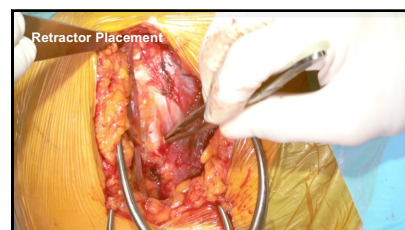
37



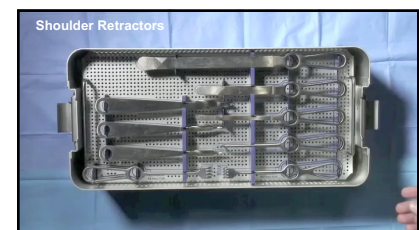
38



41



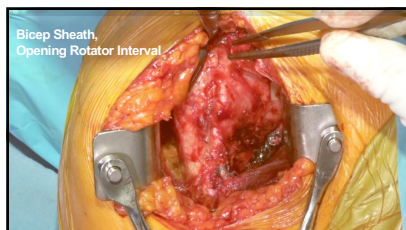
42



43



44



45



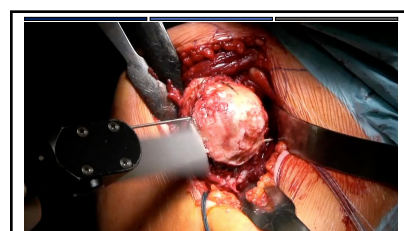
46



47



48



49



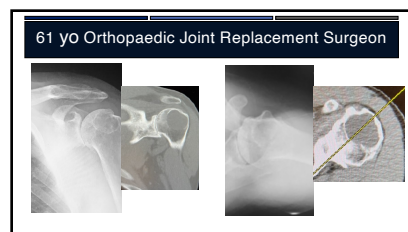
50



51



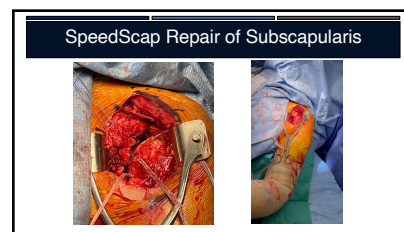
52



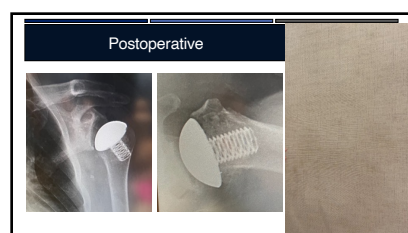
55



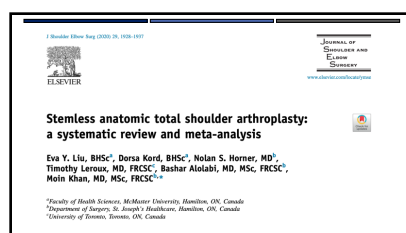
58



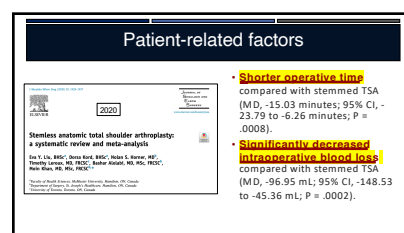
59



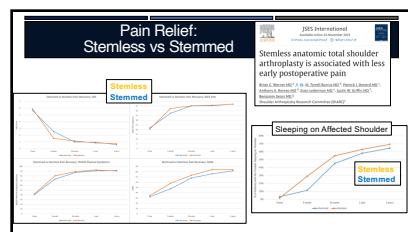
60



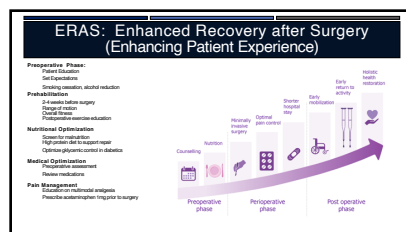
61



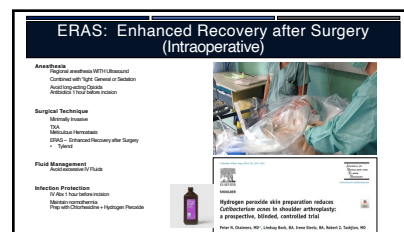
62



63



64



65

Anatomic Total Shoulder Arthroplasty in 2025: Indications & Technique

Advances on the Knee, Shoulder, and Sports Medicine
May 2025

ERAS: Enhanced Recovery after Surgery (Postoperative)

Pain Management

- Patient in good pain
- IV PCA (Patient Controlled Analgesia)
- Epidural Analgesia, 3-5 days
- IV NSAID (ketorolac) 20-30 mg every 2 hours
- Ibuprofen 400mg PO q6h
- Oxycodone 5-10 mg PO q4h
- Morphine 2-4 mg PO q4h
- Meperidine 25-50 mg PO q4h
- Mef 500mg IV 1-2 mg q4h
- Mef 500mg IV 1-2 mg q4h
- Mef 500mg IV 1-2 mg q4h
- Mef 500mg IV 1-2 mg q4h

Anesthetic Medication

• Zolam 10 mg IV q4h

AFTER SURGERY

66

ERAS: Enhanced Recovery after Surgery (Postoperative)

- OTHER**
 - Aspirin 81 mg**
 - Take 1 tablet twice daily for 1 week following your surgery.
 - This medication is used to prevent blood clots and to help prevent blood clots from blocking blood flow.
 - Do not take this medication if you are on another blood thinner.
- Antibiotics**
 - Augmentin 875 mg** 1 to 4 days
 - Augmentin 875 mg** 1 to 4 days & 8 hours & 10 days
 - Penicillinase Resistant Penicillin**
- Thromboembolism**
 - Encourage leg muscle activity, and heel exercises to maintain circulation and prevent clots.
 - Use leg pumps to passivate flow of motion exercises (e.g., bedpan)
 - Use pneumatic, constant pressure devices (in 8 degrees) under the leg.
 - Prevent blood clots by wearing compression stockings and medical treatment and aspirin 81 mg per surgical package.





67

Complications (Major < 5%)

- Shoulder Stiffness (10–15%)
- Infection (<1%)
- Implant Loosening
- Rotator Cuff Failure
- Nerve Injury (1–4%)
- Periprosthetic Fracture (1–3%)
- Hematoma (1–2%)
- Dislocation/Instability



68

Removal -> Ease of Conversion

69

68 yo male with Osteoarthritis, Cuff Intact
B2 Glenoid: -24.6 Version, 6.3 Inclination

B2 Glenoid
 -24.6 degrees Version
 6.3 degrees Inclination

70

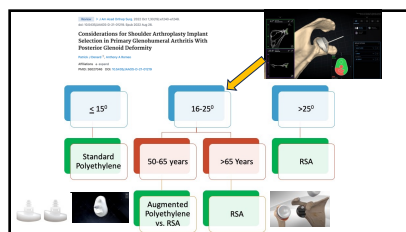
Anatomic, Stemless, 15° Augmented Glenoid

71

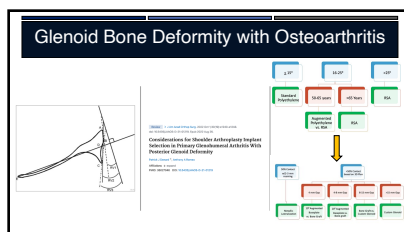
72

73

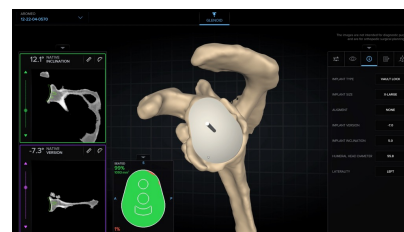
74



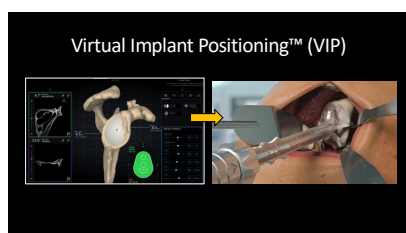
75



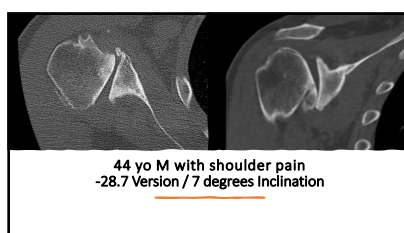
76



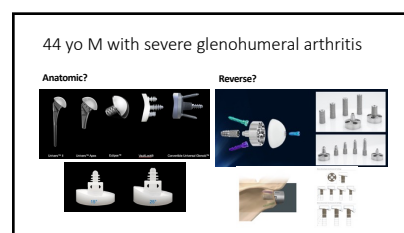
77



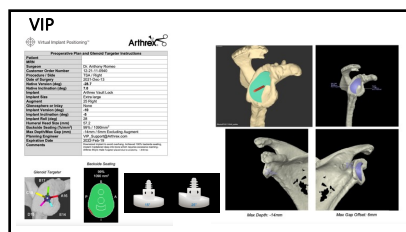
78



80



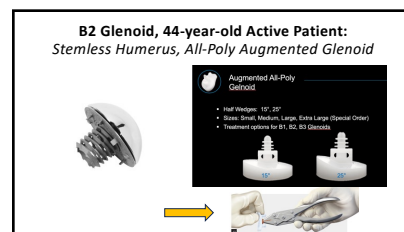
81



82



83



84

Advances on the Knee, Shoulder, and Sports Medicine
May 2025

