

Gordon Groh MD, MBA Post Discharge Protocol

Shoulder/Clavicle Fracture Treatment Office 828 252 7331

Pain

- Over 90% of patients take narcotics for less than two weeks after surgery
- Take over the counter Tylenol 325 tablets
 - 2 tablets every 6 hours
- If prescribed Gabapentin—take every 8 hours as directed
- If prescribed an anti-inflammatory such as Celebrex—take daily as directed
- Take oxycodone as needed for pain—begin as block begins to wear off or prior to first night sleep
 - Hydromorphone if having breakthrough pain—Needed by fewer than 5%

Dressing Change

- Leave Prevena in place until office visit in 10 days. The pump will typically shut off in one week, but leave the dressing in place until your appointment
 - Avoid any creams or ointments until the skin is healed
- If Standard tape dressing—follow printed discharge instructions

Bathing

- You may shower as desired after surgery—do not get the Prevena battery pack wet!
- After staple removal utilize Tegaderm from office until you are 2 weeks post operative

Sling

- Wear the sling full time except for bathing. If you have bicep cramping, you may remove the sling two or three times a day to stretch the elbow for two minutes.

Driving

- May contemplate driving if patient feels safe 2-3 weeks after surgery. Patient must be off all narcotic pain medications
- Patient must feel comfortable handling vehicle in emergency situations

Physical Therapy

- No therapy is indicated within the first two weeks as our initial emphasis is centered on wound healing. Greater than 95% of patients will complete their postoperative course without the need to see a physical therapist. Numerous studies have shown improved outcomes with physician directed home therapy (references at bottom of instructions).

Constipation

- Take over the counter MiraLAX and Senna (over the counter) twice per day while using narcotic pain medications.
- Take Colace as directed (prescription) while taking narcotic pain medications.

Swelling & Edema management

- Some swelling/edema is normal in the forearm/hand after shoulder surgery—although the amount can be variable
- Making a fist and squeezing a ball repeatedly during the day improves blood return and decreases swelling

Bruising/Discoloration in arm after Surgery

- Normal after surgery and blood thinners including aspirin/anti-inflammatory medications may increase bruising

Staple/Suture Removal

- Staples may be removed at the 10 days recheck if the wound appears to be healing with minimal swelling. Steri-strips are applied after staple removal and should stay in place until approximately 17 days after surgery.

Anti-Coagulation

- Aspirin 325 mg per day or Xarelto/Coumadin for higher risk patients—typical duration four weeks—if indicated

CHG/Pre-operative Wash

- All total shoulder patients will receive a CHG sponge and should wash with it the night prior to surgery

Dental Precautions

- Delay elective dental procedures after surgery for 10 weeks
- Antibiotics are not indicated for prophylaxis with fracture treatment

References for Home Therapy:

Boardman ND, Cofield RH, Bengtson KA, Little R, Jones MC, Rowland CM. Rehabilitation after total shoulder arthroplasty. *J Arthroplasty*. 2001;16:483–486.

Brems JJ. Rehabilitation following total shoulder arthroplasty. *Clin Orthop Relat Res*. 1994;70–85

Effectiveness of formal physical therapy following total shoulder arthroplasty: A systematic review Peter K Edwards,¹ Jay R Ebert,¹ Chris Littlewood,² Tim Ackland,¹ and Allan Wang^{1,3}, *Shoulder Elbow*. 2020 Apr; 12(2): 136–143. PMID: 32313563

Effect of supervised physiotherapy versus home exercise program in patients with subacromial impingement syndrome: A systematic review and meta-analysis Héctor Gutiérrez-Espinoza 1, Felipe Araya-Quintanilla 2, Christopher Cereceda-Muriel 3, Celia Álvarez-Bueno 4, Vicente Martínez-Vizcaíno 5, Iván Cavero-Redondo 6 *Comparative Study Phys Ther Sport*. 2020 Jan;41:34-42. doi: 10.1016/j.ptsp.2019.11.003. Epub 2019 Nov 6.

Effectiveness of supervised physiotherapy versus home exercise in subjects with rotator cuff disorders treated surgically: A systematic review and meta-analysis. Gutiérrez-Espinoza H, Araya-Quintanilla F, Olgúin-Huerta C, Valdés-Orrego I, Sepúlveda-Osses O. *Physiother Res Int*. 2022 Apr;27(2):e1942. doi: 10.1002/pri.1942. Epub 2022 Feb 20. PMID: 35184364