



## Elective surgeries during COVID-19 storm: The best surgeon knows when not to operate

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We are still living with the global threat of coronavirus disease 2019 (COVID-19) storm. We must be optimistic as well as cautious.

What about elective surgeries during COVID-19 storm? Of course, decision remains to be the responsibility of local health officials and those clinicians who have direct responsibility for their patients.

A randomized controlled trial yields important evidence for the treatment of complex proximal humeral fractures in elderly patients suggesting minimal benefits of reverse shoulder arthroplasty over nonoperative treatment for displaced three- and four-part proximal humeral fractures.<sup>[1]</sup>

Whether arthroscopic partial meniscectomy for symptomatic patients with a meniscal tear and knee osteoarthritis results in better functional outcomes than nonoperative therapy is uncertain. In the intention-to-treat analysis, Katz et al.<sup>[2]</sup> did not find any significant differences between the study groups in functional improvement six months after randomization; and only 30% of the patients who were assigned to physical therapy alone underwent

surgery within six months. We also know that degenerative horizontal tear of the medial meniscus should not be treated with surgery.<sup>[3]</sup> Another study comparing the results of conservative treatment and arthroscopic treatment of meniscal tear showed that the results of conservative treatment were as satisfactory as that of surgical treatment.<sup>[4]</sup> It is concluded that our priority as orthopedic surgeons must be to treat the patient, not the imaging results.

Patients with osteoarthritis of the knee who underwent physical therapy had less pain and functional disability at one year than patients who received an intraarticular glucocorticoid injection.<sup>[5]</sup>

Surgical versus conservative treatment for torn anterior cruciate ligament (ACL) is another controversial issue.<sup>[6]</sup> There are some indications for non-surgical treatment with a strict neuromuscular rehabilitation program. Neuromuscular rehabilitation is also necessary prior to and after ACL reconstruction. This is crucial for primary and secondary preventions as well.

Finally, what about elective surgeries during COVID-19 storm? I believe the right answer is that “the best surgeon knows when not to operate, even if there is no storm”.

Received: May 12, 2020

Accepted: June 03, 2020

Published online: June 18, 2020

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DOI: 10.5606/ehc.2020.57893

**Citation:** Atik OŞ. Elective surgeries during COVID-19 storm: The best surgeon knows when not to operate. *Jt Dis Relat Surg* 2020;31(2):161-162.

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## REFERENCES

1. Lopiz Y, Alcobía-Díaz B, Galán-Olleros M, García-Fernández C, Picado AL, Marco F. Reverse shoulder arthroplasty versus nonoperative treatment for 3- or 4-part proximal humeral fractures in elderly patients: a prospective randomized controlled trial. *J Shoulder Elbow Surg* 2019;28:2259-71.
2. Katz JN, Brophy RH, Chaisson CE, de Chaves L, Cole BJ, Dahm DL, et al. Surgery versus physical therapy for a meniscal tear and osteoarthritis. *N Engl J Med* 2013;368:1675-84.
3. Atik OŞ. Should degenerative horizontal tear of the medial meniscus be treated with surgery? *Eklem Hastalık Cerrahisi* 2018;29:63-4.
4. Karakoç Y, Atalay İB. The role of magnetic resonance

- imaging and clinical assessments in predicting meniscal tear surgery. *Eklem Hastalik Cerrahisi* 2019;30:85-90.
5. Deyle GD, Allen CS, Allison SC, Gill NW, Hando BR, Petersen EJ, et al. Physical Therapy versus Glucocorticoid Injection for Osteoarthritis of the Knee. *N Engl J Med* 2020;382:1420-9.
  6. Atik OŞ. Surgical versus conservative treatment for torn anterior cruciate ligament. *Jt Dis Relat Surg* 2020;31:159-60.