

Extensor Mechanism Rupture

Nicolaas C. Budhiparama¹ ♦ Nadia N. Ifran¹ ♦ Michel Bonnin² ♦ Sebastien Lustig³ ♦ Sebastien Parratte⁴

¹ Nicolaas Institute of Constructive Orthopaedic Research & Education Foundation, 12950 Jakarta, Indonesia

² Centre Orthopedique Santy, 24 avenue Paul-Santy, 69008 Lyon, France

³ Hospital de la Croix-Rousse, centre Albert-Trillat, 69004 Lyon, France

⁴ St. Marguerite Hospital, Marseille, France

ABSTRACT

Extensor mechanism rupture is one of the most devastating complications after TKA procedures. Disruption of the extensor mechanism will compromise knee extension. Conservative treatments are only reserved in patients who are contraindicated to undergo surgery since the outcome may result in impairment and morbidity. Up till today, many techniques have been described; however, the prognosis usually varies and is less than satisfactory. This is due to the nature of the published papers, most of which were case reports or researches with small samples or short follow-up time. With a lack of standardization in methods and adequate follow-up time, it is difficult to determine which technique yields superior outcome.

As surgeons who perform arthroplasty either primary or revision, being well prepared to manage the complication intraoperatively and postoperatively is mandatory. This chapter will describe in detail about extensor mechanism and how to manage the injury.