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# Criteria for performing total knee arthroplasty without postoperative intensive care monitoring

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SUBMIT TO PLOS ONE

## ABSTRACT

After reviewing the medical literature, we defined objective criteria to indicate intensive care monitoring after total knee arthroplasty. These criteria were adopted in January 2020 and since then none of the 80 patients who underwent total knee arthroplasty at the Pedro Ernesto University Hospital and who met the criteria required intensive care monitoring.

## ATTACHMENTS

[Critérios for TKA without ICM.pdf](#)

## DOI

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## KEYWORDS

total knee arthroplasty, intensive care monitoring, risk stratification

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#### GUIDELINES

To perform total knee arthroplasty without postoperative intensive care monitoring, it is necessary for the patient to fulfill the eight criteria defined below:

Less than 75 years old

American Society Anesthesiology (ASA) Classification I or II

Non-smoker

No history of ischemic disease (Acute Myocardial Infarction and/or Cerebrovascular disease)

Primary Arthroplasty (CR or PS)

Body Mass Index (BMI) less than 35 kg/m<sup>2</sup>

Creatinine clearance higher than 60 ml/min

No Sleep Apnea diagnoses

#### BEFORE START

We have defined these criteria based on medical literature and we are validating this protocol by observing the outcome.

#### SAFETY WARNINGS

We have defined these criteria based on medical literature and we are validating this protocol by observing the outcome.