

11<sup>th</sup> International Conference on

# ARTHROPLASTY

September 24-25, 2018 London, UK

## Patient specific template shortens operative time in TKA

**Mostafa A Elnemr**

Global Care Hospital, Egypt

**Background & Aim:** Since the introduction of computer-assisted Total Knee Arthroplasty (TKA), the literature has been focusing on comparing the efficacy of this technique to the conventional technique of TKA in terms of success rate, postoperative outcome and rehabilitation. This paper aimed to compare computer-assisted TKA using Patient-Specific Template (PST) to conventional TKA in terms of operative time.

**Methods:** Thirty (30) patients with different degrees of knee osteoarthritis and variable types of deformities were enrolled in this study. They underwent TKA surgery and were divided into two groups: Group-1 included 15 patients who underwent TKA using PST technique; and Group-2 included 15 patients who underwent TKA using conventional technique. Mean operative time for each group was documented.

**Results:** Mean operative time for PST and conventional groups was 113 min and 137 min, respectively; that is, PST was shorter by 24 min, which was statistically significant ( $P < 0.001$ ).

**Conclusion:** PST had an advantage over conventional instrumentation as it significantly reduced operative time.

### Biography

Mostafa A Elnemr is an Orthopedic Surgeon at Global Care Hospital, Orthopedic Surgeon at October 6 University, Faculty of Medicine and Specialist in Orthopedic Surgery at El Zaitoun Specialized Hospital.

drmostafaelnemr@gmail.com