

Kinematic Alignment in TKA

Yeo Seng Jin

Singapore General Hospital

The relationship of postoperative limb alignment following TKA with regards to clinical and survivorship outcomes remain weak. Neutral postoperative mechanical limb alignment has been the gold standard and there has been a plethora of new technologies developed to attempt to achieve this. However this concept has been challenged recently with the use of modern prosthesis and longer-term follow-up

The principle of kinematic alignment is to attempt to restore the individual patient pre-arthritis anatomy with regards to component positioning and limb alignment. Controversy exists regarding the merits of this technique.

This paper hopes to summarise the current literature regarding kinematic alignment and present the authors early experience of 102 consecutive cases.