

Revisiting the International Normalized Ratio (INR) for Total Knee Arthroplasty (TKA)

INR is recommended to predict risk of perioperative bleeding during orthopaedic surgeries



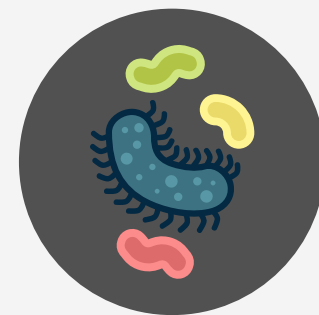
Study examined the effect of preoperative INR on...



perioperative
bleeding



mortality



postoperative
infections

...in **21,239** primary TKA cases

INR for Prediction of Increased Bleeding Risk and Other Complications in TKA

INR	Bleeding risk (Odds ratio)	Deep wound infection risk (Odds ratio)	Mortality risk (Odds ratio)	Length of stay (Days)
≤1.0	Ref	Ref	Ref	3.3 ± 2.9
>1.0–1.25	1.19 (1.07–1.31)	1.24 (0.94–1.65)	1.72 (0.90–3.28)	3.4 ± 3.1
>1.25–1.5	1.29 (1.02–1.63)	0.99 (0.49–2.00)	3.37 (1.31–8.63)	3.7 ± 3.2
>1.5	2.02 (1.29–3.14)	4.44 (2.13–9.26)	1.95 (0.24–15.68)	4.7 ± 5.5



As elevated INR is associated with increased risk of specific adverse events, current INR guidelines of <1.5 should be reconsidered for TKA patients

Revisiting the International Normalized Ratio (INR) Threshold for Complications in Primary Total Knee Arthroplasty: An Analysis of 21,239 Cases

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