

Supplementary Table 1 Basic information from the included study literature

Ref.	Publication Year	Sample size: blade	Gamma3 /U- Indicators
Hyung-Gon Ryu	2020	72/90	3, 4
N.W.Lang	2016	135/135	1
Joon Soon Kang	2020	53/53	2
Nikolaus Wilhelm	2019	82/69	1, 2
Seungbae Oh	2021	152/152	1, 3
Shilei Wu	2022	35/35	1, 4

1: Surgical time; 2: TAD; 3: HHS; 4: Union time.