

Figure S1 PRISMA Flowchart. PRISMA, Preferred Reporting Items for Systematic Reviews and Meta-Analysis. From: Page MJ, McKenzie JE, Bossuyt PM, *et al.* The PRISMA 2020 statement: an updated guideline for reporting systematic reviews. *BMJ* 2021;372:n71. For more information, visit: <http://www.prisma-statement.org/>

A

Study	Risk of bias domains							Overall
	D1	D2	D3	D4	D5	D6	D7	
Patel et al, 2021	⊗	+	+	-	+	+	+	+
Beckerman, 2018	-	+	+	+	+	+	+	+
Ouzounian, 2019	+	⊗	+	+	+	+	+	+
Liu et al, 2022	-	+	+	-	+	⊗	+	-
Deas et al, 2021	-	-	+	-	⊗	-	+	-
Beckmann et al, 2020a	+	-	+	-	+	+	+	+
Martin et al, 2017	⊗	+	+	+	+	-	+	+
Aicher et al, 2004	⊗	⊗	+	+	+	+	+	+
Karciauskas et al, 2019	-	⊗	+	+	+	+	+	+
Urbansk et al, 2022	-	-	+	+	+	+	+	+
Kari et al, 2014	-	⊗	+	+	+	+	+	+
Badiu et al, 2010	-	⊗	+	+	+	+	+	+
Miyahara et al, 2016	⊗	-	+	+	⊗	+	+	-
Beckmann et al, 2020b	-	-	+	-	+	-	+	-
Huuskonen et al, 2021	⊗	-	+	+	-	-	+	-
Vallabhajosyula et al, 2016	-	⊗	+	+	+	+	+	+
Nguyen et al, 2021	-	+	+	+	+	+	+	+
Kayatta et al, 2019	+	+	+	+	+	+	+	+
Tanaka et al, 2021	⊗	-	+	-	+	-	+	-

Domains:
D1: Bias due to confounding.
D2: Bias due to selection of participants.
D3: Bias in classification of interventions.
D4: Bias due to deviations from intended interventions.
D5: Bias due to missing data.
D6: Bias in measurement of outcomes.
D7: Bias in selection of the reported result.

Judgement
⊗ Serious
- Moderate
+ Low

B

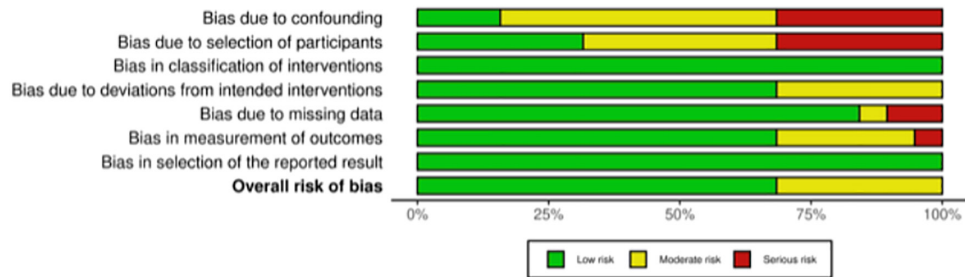


Figure S2 Visual representation of risk of bias assessment for studies examining valve-sparing approaches in bicuspid aortic valve patients.