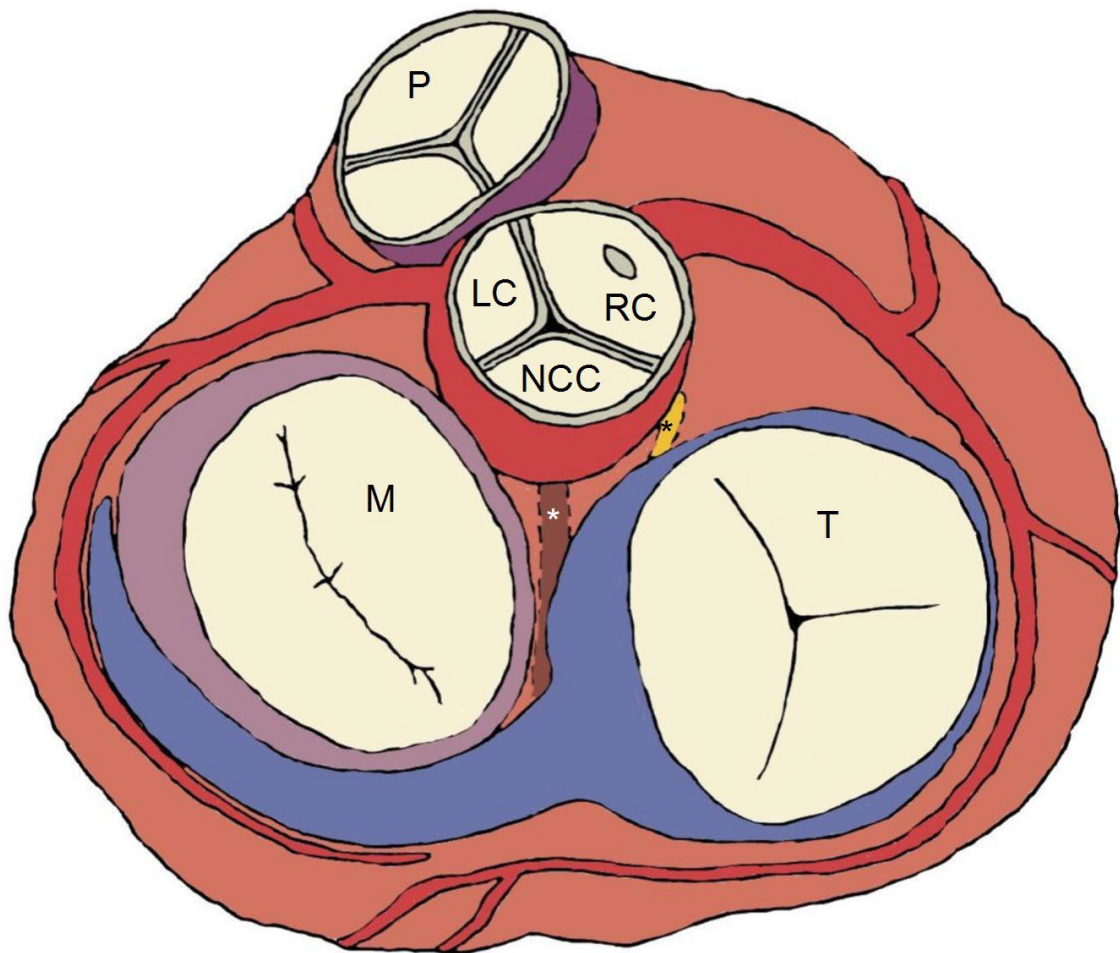


Figure S1 – Anatomical structures around the aortic valve

LC = left cusp; M = mitral valve; NCC = non-coronary cusp; P = pulmonary valve; RC = right cusp; T = tricuspid valve. White star = interatrial septum; Black star = left bundle



Supplementary Table 1 – Search strategy

#	Search
1	"aorta"[MeSH Terms] OR "aorta"[All Fields] OR "aortic"[All Fields] OR "aortics"[All Fields]
2	"leaflet"[All Fields] OR "leaflet's"[All Fields] OR "leaflets"[All Fields] OR "valve"[All Fields] OR "valve's"[All Fields] OR "valved"[All Fields] OR "valves"[All Fields] OR "valving"[All Fields] OR "cusp"[All Fields]
3	1 AND 2
4	"perforant"[All Fields] OR "perforants"[All Fields] OR "perforate"[All Fields] OR "perforated"[All Fields] OR "perforates"[All Fields] OR "perforating"[All Fields] OR "perforation"[All Fields] OR "perforations"[All Fields] OR "perforative"[All Fields] OR "perforator"[All Fields] OR "perforator's"[All Fields] OR "perforators"[All Fields]
5	"injurie"[All Fields] OR "injured"[All Fields] OR "injuries"[Subheading] OR "injuries"[All Fields] OR "wounds and injuries"[MeSH Terms] OR ("wounds"[All Fields] AND "injuries"[All Fields]) OR "wounds and injuries"[All Fields] OR "injurious"[All Fields] OR "injury's"[All Fields] OR "injuryed"[All Fields] OR "injurs"[All Fields] OR "injury"[All Fields]

6	"iatrogen"[All Fields] OR "iatrogenic"[All Fields] OR "iatrogenically"[All Fields] OR "iatrogenicity"[All Fields] OR "iatrogenics"[All Fields] OR "iatrogenous"[All Fields]
7	3 AND (4 OR 5 OR 6)
8	"mitral valve"[MeSH Terms] OR ("mitral"[All Fields] AND "valve"[All Fields]) OR "mitral valve"[All Fields]
9	"surgery"[Subheading] OR "surgery"[All Fields] OR "surgical procedures, operative"[MeSH Terms] OR ("surgical"[All Fields] AND "procedures"[All Fields] AND "operative"[All Fields]) OR "operative surgical procedures"[All Fields] OR "general surgery"[MeSH Terms] OR ("general"[All Fields] AND "surgery"[All Fields]) OR "general surgery"[All Fields] OR "surgery's"[All Fields] OR "surgerys"[All Fields] OR "surgeries"[All Fields]
10	8 AND 9
11	7 AND 10

Supplementary Table 2 – Joanna Briggs Institute Critical Appraisal tool

[illegible]

Uygyr 2018 ²²	Yes	Yes	Yes	Yes	Yes	No	No	Yes
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Q1. Were patient's demographic characteristics clearly described? Q2. Was the patient's history clearly described and presented as a timeline? Q3. Was the current clinical condition of the patient on presentation clearly described? Q4. Were diagnostic tests or assessment methods and the results clearly described? Q5. Was the intervention(s) or treatment procedure(s) clearly described? Q6. Was the post-intervention clinical condition clearly described? Q7. Were adverse events (harms) or unanticipated events identified and described? Q8. Does the case report provide takeaway lessons?