





# Transoesophageal Echocardiogram

#### Right coronary sinus of valsalva to RA fistula

- Fistula located within the wall of the right coronary sinus with communication to the right atrium
- Continuous colour flow with diastolic dominance

















## **Case 1 Conclusion**

- No residual shunt on 12month follow-up echocardiogram
- 3D printed model aid with:
- Understanding of complex anatomy
- Multidisciplinary heart team communication
- Patient consent
- Device choice
- Peri-procedural planning



















# **Medical history II**

- · Coronary artery disease- nil significant
- Valvular heart disease Severe AS. Mild-mod AR
- Cerebrovascular disease Nil apparent
- Peripheral vascular disease Nil known
- Respiratory disease FEV1 1.7, FVC 2.7, DLCO 14, KCO 2.7
- Renal disease nil
- · Gl/haematological/bleeding -
- Other –

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## Medical history III

<ul><li>Antiplatelets-</li><li>Anticoagulation-</li></ul>	Hb	123\g/L
<ul> <li>Other relevant medications         <ul> <li>Alepam</li> <li>Alphapress</li> <li>Lister</li> </ul> </li> </ul>	Plt	320\10 <sup>9</sup> /L
<ul> <li>Lovan</li> <li>Nexium</li> <li>Spiriva</li> <li>Aspirin</li> <li>Stemetil</li> <li>Zanidip</li> <li>Allergies</li> </ul>	Urea Creat eGFR	4.8mmol/L 72umol/L 72mL/min/1 .73m <sup>2</sup>
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STS	RISK SCORES About the STS Risk Calculator Procedure: AV Replacement	
	Risk of Mortality: 2.119%	
	Morbidity or Mortality: 14.129%	
	Long Length of Stay: 5.413%	
	Short Length of Stay: 39.937%	
	Permanent Stroke: 1.471%	
	Prolonged Ventilation: 8.886%	
	DSW Infection: 0.163%	
	Renal Failure: 2.421%	
	Reoperation: 7.367%	
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# **Summary and Discussion**

- 73f w/ progressive dyspnea
- Severe AS
- Not for AVR due to calcified aorta
- Missing some investigation reports
- Technically suitable for: 23mm XT Edwards
- Valve choice/sizing

























