

Steps		YES/NO		Weight of step (1-5)	Included in HOST-CHS Holistic Score
1	VSD patch and Suture line				
1	Has a point been marked on the superior and inferior bridging leaflets to identify where the valve will be septated? Is the VSD patch?	Y	N	2	KNOWLEDGE
2	i) Tailored to the shape of the VSD (i.e height of patch approximately 2-3mm greater than height of VSD?)	Y	N	3	KNOWLEDGE
3	Is the height of patch corresponding to the superior leaflet higher than the inferior leaflet? i.e. is the patch cut in a comma shape?	Y	N	4	KNOWLEDGE
	Anterior portion of the VSD suture line				
4	i) Has commenced at deepest aspect of the ventricular crest?	Y	N	3	FLUENCY
5	Progressed along a line separating the chordae attaching the medial/septal portions of the left and right superior bridging leaflets?	Y	N	3	FLUENCY
6	iii) Progressed to the atrium?	Y	N	2	FLUENCY
	Posterior limb of the VSD suture line				
7	i) Continued posteriorly?	Y	N	3	FLUENCY
8	ii) Has the patch been trimmed (if necessary)? Score Y is trimming not required	Y	N	4	FLUENCY
9	iii) As the suture line reaches the inferior bridging leaflet/RA does it deviate 5-8mm away from the AV node (i.e. base of primum defect)?	Y	N	5	KNOWLEDGE
	Suture assessment:				
10	i) Are all sutures evenly spaced from one another with equally sized bites?	Y	N	3	FLUENCY
11	Are any of the chords damaged or caught in the VSD suture line?	N	Y	5	RESPECT
2	Attachment of VSD patch to AV valve leaflets				
12	Have 3+ interrupted horizontal mattress sutures been used to secure the superior margin of the VSD patch to the AV valve leaflets?	Y	N	3	FLUENCY
13	Has the needle been passed through the VSD patch, the leaflet and then the ASD patch? (creating a sandwich)	Y	N	3	KNOWLEDGE
14	Has the VSD suture line been completed to septate the AV inflows?	Y	N	5	
15	i) Are the AV inflow sizes equal?	Y	N	5	FLUENCY
16	Is there likely to be a residual VSD?	Y	N	5	RESPECT
17	Has an incision been made into the valve leaflets?	N	Y	5	RESPECT
3	Cleft Closure (left)				
18	Has the cleft been closed?	Y	N	5	RESPECT
19	Is there any residual cleft?	N	Y	4	RESPECT
	Suture assessment:				
20	i) Are all sutures evenly spaced from one another? (2-3mm)	Y	N	3	FLUENCY
21	ii) Are all sutures an adequate distance from the leaflet edge (1-2mm)?	Y	N	3	FLUENCY
4	Closure of Atrial primum defect				
22	Is the ASD patch tailored to the shape of the ASD?	Y	N	4	KNOWLEDGE
	Suture assessment:				
23	i) Has a continuous suture been used to close the defect?	Y	N	2	FLUENCY
24	ii) Are all sutures evenly spaced from one another? (2-3mm)	Y	N	3	FLUENCY
25	iii) Are all sutures an adequate distance from the ASD edge (1-2mm)	Y	N	3	FLUENCY
26	Is the coronary sinus draining into the right atrium?	Y	N	4	FLUENCY
27	Does the suture line avoid damage to the AV node? (inferior margin of primum defect at the region of coronary sinus)	Y	N	5	RESPECT
5	Right AV valve repair				
	Suture assessment:				
28	i) Have the bridging leaflets been attached to the septum	Y	N	4	FLUENCY
29	ii) Are all sutures evenly spaced from one another? (2-3mm)	Y	N	3	FLUENCY
TOTAL SCORE				105	