

Steps			YES/ NO		Weight of step (1-5)	Included in HOST-CHS Holistic Score	
<b>1</b>	<b>Enlargement of VSD</b>						
	1	Has the VSD been enlarged?	Y	N	4	KNOWLEDGE	
	2	Has the enlargement avoided the area of conduction tissue?	Y	N	5	RESPECT	
<b>2</b>	<b>Preparation of VSD patch</b>						
	3	Has a tube graft been used for the patch and cut to lay it open or alternative suitable patch?	Y	N	3	KNOWLEDGE	
	4	Has the patch been trimmed to the approximate size of the VSD?	Y	N	3	KNOWLEDGE	
	5	Has one of the patch corners been trimmed to correspond with the inferior margin of the VSD?	Y	N	3	KNOWLEDGE	
<b>3</b>	<b>Suturing VSD patch</b>						
	6	Has the suture commenced at the inferior portion of the VSD away from the conduction tissue?	Y	N	3	FLUENCY	
	7	Does the suture continue superiorly towards the aortic annulus?	Y	N	3	FLUENCY	
	8	i) Is the patch trimmed obliquely when the aortic valve is reached?	Y	N	4	KNOWLEDGE	
	9	Does the suture continue around the aortic valve towards the tricuspid valve annulus?	Y	N	3	FLUENCY	
	10	i) When the tricuspid annulus is reached is the suture passed through the annulus into the right atrium?	Y	N	3	FLUENCY	
	11	Has the other end of the suture been continued along the inferior margin of the VSD to the tricuspid valve annulus?	Y	N	3	FLUENCY	
	12	i) Is the suture inferior to the conduction tissue avoiding injury?	Y	N	5	RESPECT	
	13	Has the patch been trimmed along the inferior rim of VSD? (i.e. excess patch removed)	Y	N	4	FLUENCY	
	14	When the tricuspid annulus is reached is the suture passed through the annulus into the right atrium?	Y	N	3	FLUENCY	
	15	Has the suture been completed with horizontal mattress sutures?	Y	N	2	FLUENCY	
		Suture assessment:					
	16	i) Are <b>all</b> the sutures evenly spaced from one another <b>WITH</b> a gap of 2-3mm between suture bites?	Y	N	3	FLUENCY	
	17	ii) Are <b>all</b> the sutures an adequate distance from the tissue edge (2-3mm)?	Y	N	3	FLUENCY	
<b>4</b>	<b>Patch Assessment</b>						
	18	Is the patch the correct size for the VSD defect?	Y	N	5	KNOWLEDGE	
	19	Is there a bulge of the patch into the right ventricle? (thus likely to avoid any LVOTO post op)	Y	N	5	KNOWLEDGE	
	20	Are there any visible hole within the patch?	N	Y	4	RESPECT	
	21	Have any plication sutures been needed to make the patch smaller?	N	Y	4	FLUENCY	
<b>5</b>	<b>Collateral damage</b>						
	22	Has the aortic valve or ascending aorta been damaged during the procedure? (i.e. torn)	N	Y	5	RESPECT	
	23	Have the tricuspid valve leaflets been removed or have been damaged during the repair?	N	Y	5	RESPECT	
			<b>TOTAL SCORE</b>		<b>85</b>		