

Steps			YES/ NO		Weight of step (1-5)	Included in HOST-CHS Holistic Score	
1	Ligation of PDA						
	1	Has the proximal PDA been ligated?	Y	N	4	FLUENCY	
	2	Have the clamps been placed before dividing the PDA?	Y	N	4	KNOWLEDGE	
2	Application of clamps						
	3	Has a clamp been placed across the LSCA and LCC and is excluding the first branch? (Clamp 1)	Y	N	4	KNOWLEDGE	
	4	Has second clamp been placed across the descending aorta? (Clamp 2)	Y	N	4	KNOWLEDGE	
3	Removal of ductal tissue:						
	5	Incision 1: Has the descending aorta been transected beyond the PDA?	Y	N	4	KNOWLEDGE	
	6	Incision 2: Has the aortic arch been transected above the PDA?	Y	N	4	KNOWLEDGE	
	7	Incision 3: Has the distal PDA been transected to remove all ductal tissue?	Y	N	4	KNOWLEDGE	
	8	Has all residual ductal tissue been removed?	Y	N	5		
	9	Are all above incisions clean and straight?	Y	N	3	RESPECT	
	10	Has the end of PDA been oversewn? (can be completed at the end of repair)	Y	N	2	RESPECT	
4	Incisions on Aortic arch and descending aorta:						
	11	Has an incision been made along the lesser curvature?	Y	N	3	FLUENCY	
	12	i) Has the delegate avoided making the incision posterior?	Y	N	3	KNOWLEDGE	
	13	ii) Has incision continued until 1-2mm away from tips of the clamp on aortic arch?	Y	N	4	KNOWLEDGE	
	14	Has a 3-5mm cutback incision been made on the posterior wall of the descending aorta?	Y	N	3	KNOWLEDGE	
5	Extended End-to-End anastomosis						
	15	Has an end-to-end anastomosis commenced between the descending aorta and aortic arch?	Y	N	3		
	16	Is the suture started one stitch away from the toe on the anterior side of the aortic arch?	Y	N	3	KNOWLEDGE	
	17	Is the suture continued counter-clockwise towards the toe and then along the posterior wall of arch for 4-5 sutures?	Y	N	3	FLUENCY	
	18	Have 4-5 sutures been placed along the anterior and the two ends approximated?	Y	N	3	FLUENCY	
	19	Has the posterior wall suture been completed?	Y	N	4	FLUENCY	
	20	Has the anterior wall suture been completed?	Y	N	4	FLUENCY	
	21	If required has the cutback incision on the descending aorta been extended to accommodate excess aortic arch tissue? (if not required circle 'YES')	Y	N	3	KNOWLEDGE	
		Suture assessment:					
	22	i) Are all the sutures evenly spaced from one another WITH a gap of 1-2mm between suture bites?	Y	N	3	FLUENCY	
	23	ii) Are all the sutures an adequate distance from the tissue edge (1-2mm)?	Y	N	3	FLUENCY	
6	Removal of clamps and de-airing						
	24	Were the clamps removed before tying the suture?	Y	N	5	KNOWLEDGE	
	25	Has the distal clamp been removed before the proximal clamp?	Y	N	5	KNOWLEDGE	
TOTAL SCORE					90		