

SUPPLEMENTARY APPENDIX 1: STUDY PRO FORMA: PCSI COVID STUDY

1. Part 1: Hospital Statistics

- All columns give only absolute numbers
- 2019 - include April-July 2019
- 2020 - include April-July 2020.

A. OPD load

	2019	2020	Remarks
April			
May			
June			
July			
Total			

OPD load

	2019					2020				
	Neonate	Infants	1-10	11-18	GUCH >18	Neonate	Infants	1-10	11-18	GUCH >18
April										
May										
June										
July										

b. Pediatric cardiology/CTVS hospital admissions

	2019			2020			Remarks
	New	Old	Total	New	Old	Total	
April							
May							
June							
July							

Pediatric cardiology/CTVS hospital admissions

	Neonate		Infants		GUCH	
	2019	2020	2019	2020	2019	2020
April						
May						
June						
July						
Total						

Outcomes "In unoperated" patients

	In-hospital mortality		No of patients on ventilator	
	2019	2020	2019	2020
April				
May				
June				
July				
Total				

b. Number of cardiac surgeries performed

	2019			2020		
	Emergency*	Elective	In hospital deaths**	Emergency*	Elective	In hospital deaths**
Total numbers						
April						
May						
June						
July						
Neonatal surgeries						
April						
May						
June						
July						
Infantile surgeries						
April						
May						
June						
July						
GUCH surgeries						
April						
May						
June						
July						

*Definition of emergency: Any transcatheter or surgical intervention in patients presenting with spells, refractory heart failure, shock, or needing ventilatory care, **In-hospital death: Using the STS congenital database taskforce definition of postoperative mortality, "any death, regardless of cause, occurring (1) within 30 days after surgery in or out of the hospital and (2) after 30 days during the same hospitalization subsequent to the operation"

Types of surgery	2019	2020	Remarks
ASO			
TAPVC repair			
CoA repair			
PA band			
Aortopulmonary shunts			
VSD closure			
ASD closure			
PDA ligation			
Total correction			
Rastelli			
BD Glenn			
Fontan			
Valve surgeries			
Epicardial pacing			
Others			

b. Interventions

	2019				2020			
	Diagnostic	Emergency	Elective	Major complications*	Diagnostic	Emergency	Elective	Major complications*
Total numbers								
April								
May								
June								
July								
Neonatal								
April								
May								
June								
July								
Infants								
April								
May								
June								
July								
GUCH								
April								
May								
June								
July								

*Major complication: Any transcatheter intervention resulting in new-onset severe spells, refractory heart failure, cardiogenic shock, requirement of postprocedure ventilation, blood transfusion due to blood loss during the procedure, cardiac or local site complications

Types of interventions	2019	2020	Remarks
BAS			
AVBD			
PVBD			
CoA balloon			
PTMC			
Other balloon dilatations			
VSD device			
ASD device			
PDA device			
Other devices			
Coil for APC			
Pacemakers			
ICD/CRT			
RVOT stenting			
PDA stenting			
CoA stenting			
PA stenting			
Other stenting			
Others			

b. Teleconsultations

	2019			2020			Remarks
	New	Old	Total	New	Old	Total	
April							
May							
June							
July							

Teleconsultations

	2019			2020			Remarks
	Neonate	Infants	GUCH	Neonate	Infants	GUCH	
April							
May							
June							
July							

Advice on teleconsultation	2019	2020
Emergency visit		
Advised to visit hospital		
Advised to contact local doctor		
No active intervention		
Medicines changed		
Noncardiac issues addressed		
Others		

Table S1: Number of surgeries in each risk adjustment for congenital heart surgery category during the study period

Category	2019 (n=4586), n (%)	2020 (n=1238), n (%)
1	1056 (23.0)	232 (18.7)
2	2384 (52.0)	626 (50.6)
3	786 (17.1)	260 (21.0)
4	50 (1.1)	8 (0.7)
5	0	0
6	0	0
Excluded (others)	310 (6.8)	112 (9.0)

$P < 0.0001$ for overall comparison between both the years, $P < 0.001$ for comparison of category 1 versus all others between both the years, $P < 0.006$ for comparison of category 3 and 4 versus all others between both the years. RACHS: Risk adjustment for congenital heart surgery