Supplemental material

S1: Category and family classification of cardiac catheterization procedures in the COCCINELLE cohort

Category of procedures	Family of procedures	Names of the procedures
Diagnostic procedures	Right heart angiography	- Catheterization right with contrast
	Diagnostic procedures without	- Catheterization right without contrast
	angiography	- Catheterization left without contrast
		- Catheterization left and right without contrast
		- Biopsy endo-myocardial
		Pulmonary arterial hypertension
		- Pulmonary arterial hypertension with normal heart
		- Pulmonary arterial hypertension shunt (Eisenmenger)
	Left heart angiography	- Catheterization left with contrast
Therapeutic procedures	Pulmonary valvuloplasty	- Pulmonary valve dilatation
		- Pulmonary atresia intact ventricular septum, radiofrequency,
		perforation
		- Perforation pulmonary valve
	Aortic valvuloplasty	- Aortic valve dilatation
	Rashkind	- Atrial septostomy
	Aortic dilatation / stenting	- Balloon dilatation of coarctation of the aorta
		- Stenting of aortic coarctation
	Pulmonary artery dilatation /	- Balloon dilatation of pulmonary artery: unique / multiple
	stenting	- Balloon dilatation of pulmonary artery
		- Balloon dilatation of right ventricle - pulmonary artery conduit
		- Balloon dilatation of homograft
		- Balloon dilatation of pulmonary artery banding
		- Stenting of pulmonary artery branch: unique stent / multiple
		stents Stanting of pulmonery entery trunks unique stant / multiple
		- Stenting of pulmonary artery trunk: unique stent / multiple stents
		- Stenting of right ventricle - pulmonary artery conduit:
		unique stent / multiple stents
		- Percutaneous pulmonary valve implantation
		- Patent ductus arteriosus dilatation

	Various angiography	- Balloon dilatation of superior vena cava
		- Superior vena cava stenting
		- Balloon dilatation of inferior vena cava
		- Inferior vena cava stenting
		- Balloon dilatation of pulmonary vena
		- Pulmonary vein stenting: unique / multiple
		- Balloon dilatation of coronary artery
		- Stenting Coronary: unique / multiple
		- Patent ductus arteriosus stent (non-neotal)
		- Major aortopulmonary collateral arteries: unique/ multiple
		- Balloon dilatation of Blalock
		- Stenting Blalock: unique/ multiples
		- Thrombo-aspiration, Vertical vein closure, Occlusion femoral artery, stenting iliac artery, Stenting subclavian artery.
		 Percutaneous removal of a foreign body Arterio-venous fistula embolization: unique/ multiples Blalock embolization
		- Fenestration closure
		- Sequestration closure: unique / multiple
		 Coronary fistula closure: unique / multiple Aorto-pulmonary collaterals embolization: unique /
		multiple
	Complex neonatal procedures	•
	Atrial septal defect closure	- Hybrid procedures
		- Patent ductus arteriosus stenting
		- Atrial septal defect creation
		- Atrial septal defect stenting
		- Atrial septal defect closure
		- Patent foramen ovale
	Ventricular Septal Defect (VSD) closure	- Ventricular septal defect closure
	Arterial duct closure	- Patent ductus arteriosus closure: coil / plug
	Rythmology: stimulation	- Pacemaker - Defibrilators
	D.d. I. I. I. I.	- Pacing
	Rythmology: electrophysiology	- Electrophysiology, Flutter, Kent
Other procedures	Other unclassified procedures	- Catheterization left and right with contrast
		- Biopsy and coronarography
		- Tricuspid dilatation
		- Mitral valve dilatation
		- Aorto-pulmonary window (aorto-pulmonary septal defect)