Echo cardiography

Entity: Cluster

Concept description:		Identification:			
unknown		*Id*: openEHR-EHR-CLUSTER.echo_cardiography.v0 *Reference model*: openEHR_EHR			

Purpose	Use	Misuse	Copyright	References	Contact
For Eurotransplant in COLD (donor) thoracic reports					

Concept	Description	Constraints	Values
Inotropes	*	*Cluster* 0..1	
T **Use**	*	*Text* 0..1	Internal; 'Yes', 'No'
A	Slot Kind of inotropes [Cluster]	Include : Cluster medication_substance-inotrope_kind(-[a-zA-Z0-9_]+)*\.v0	Exclude : Cluster
A	Slot Dosage [Cluster]	Include : Cluster timing_daily(-[a-zA-Z0-9_]+)*\.v0	Exclude : Cluster
T **Type of examination**	*	*Text* 0..1	Internal; 'TTE (trans-thoracic)', 'TEE (trans-oesophagal)'
Q **IVSd. (intraventricular septum diastolic thickness)**	*	*Quantity* 0..1	Property = Length Units = mm;

Q IVSs. (intraventricular septum systolic thickness)	*	*Quantity* 0..1	Property = Length Units = mm;
T Visualisation ultrasound	*	*Text* 0..1	Internal; 'Normal', 'Limited', 'Severly Limited'
Q Aortic annulus (root)	*	*Quantity* 0..1	Property = Length Units = mm;
Q Ascending aorta	*	*Quantity* 0..1	Property = Length Units = mm;
T Morphology of aorta	*	*Text* 0..1	Text;
Pericardial	*	*Cluster* 0..1	
Q Thickness	*	*Quantity* 0..1	Property = Length Units = mm;
T Pericardial effusion	*	*Text* 0..1	Internal; 'Yes', 'No', 'Not assessable', 'Not investigated'
T Further measurements / remarks (e.g. suspicion of endocarditis, malformations (ASD/VSD))	*	*Text* 0..1	Text;
Left	*	*Cluster* 0..1	
T Summary LVF diastolic (diastolic left ventricular function)	*	*Text* 0..1	Internal; 'Normal', 'Diastolic slightly impaired', 'Diastolic dysfunction', 'Not assessable', 'Not investigated'
T Summary LVF systolic (systolic left ventricular function)	*	*Text* 0..1	Internal; 'Normal', 'Moderately reduced', 'Severly reduced', 'Not assessable', 'Not investigated'
	*	*Text*	Internal; 'Normal', 'Moderate',

T **Summary LVH (left ventricular hypertrophy)**		0..1	'Severe', 'Not assessable', 'Not investigated'
Q **LA (left atrium diameter)**	*	*Quantity* 0..1	Property = Length Units = mm;
Q **LV-EDD (Left ventricle end diastolic diameter)**	*	*Quantity* 0..1	Property = Length Units = mm;
Q **LV-ESD (Left ventricle end systolic diameter)**	*	*Quantity* 0..1	Property = Length Units = mm;
Q **LVPWd (Left ventricle posterior wall diastolic thickness)**	*	*Quantity* 0..1	Property = Length Units = mm;
Q **LVPWs (Left ventricle posterior wall systolic thickness)**	*	*Quantity* 0..1	Property = Length Units = mm;
Q **LV-FS (left ventricular shortening fraction)**	*	*Quantity* 0..1	Property = Qualified real Units = %;
Q **LV-EF (Teichholz) (left ventricular ejection fraction measured by Teichholz method)**	*	*Quantity* 0..1	Property = Qualified real Units = %;
Q **LV-EF (Simpson) (left ventricular ejection fraction measeurd by Simpson method)**	*	*Quantity* 0..1	Property = Qualified real Units = %;
Regional wall motion disorders	*	*Cluster* 0..1	
	*	*Text*	Internal; 'Regional akinesia',

T Regional wall motion disorders (LV (left ventricle)): summary		0..1	'Hypokinesia', 'Not assessable', 'Not investigated'
T Any Regional wall motion disorders (LV (left ventricle)	*	*Text* 0..1	Internal; 'Yes', 'No'
T Regional wall motion (LV (left ventricle)): Details	*	*Text* 0..1	Text;
Right	*	*Cluster* 0..1	
T RV-Dimension (right ventricle dimension)	*	*Text* 0..1	Internal; 'Normal', 'Moderate dilated', 'Dilated', 'Not assessable', 'Not investigated'
T RV-Function (right ventricle function)	*	*Text* 0..1	Internal; 'Normal', 'Function reduced', 'Not assessable', 'Not investigated'
T RV-Morphology (right ventricle morphology)	*	*Text* 0..1	Internal; 'Normal', 'Hypertrophy', 'Not assessable', 'Not investigated'
Q RV-EDD (right ventricle end diastolic diameter)	*	*Quantity* 0..1	Property = Length Units = mm;
Q RV-ESD (right ventricle end systolic diameter)	*	*Quantity* 0..1	Property = Length Units = mm;
Q RV-TAPSE (right ventricle: Tricuspid annular plane systolic excursion)	*	*Quantity* 0..1	Property = Pressure Units = mm[Hg];
Q RV-Wall (right ventricle	*	*Quantity* 0..1	Property = Length Units = mm;

wall thickness)			
🔵🔴🟢 *Haemodynamics measurement*	*	*Cluster* 0..1	
T Haemodynamics measurement at time of measurment available	*	*Text* 0..1	Internal; 'Yes', 'No'
Ⓐ	Slot Mean arterial blood pressure (MAP) [Cluster]	Include : Cluster blood_pressure(-[a-zA-Z0-9_]+)*\.v0	Exclude : Cluster
Ⓐ	Slot Heartrate [Cluster]	Include : Cluster pulse(-[a-zA-Z0-9_]+)*\.v0	Exclude : Cluster
Ⓐ	Slot Central venous pressure (CVP) [Cluster]	Include : Cluster intravascular_pressure-cvp(-[a-zA-Z0-9_]+)*\.v0	Exclude : Cluster
Ⓐ	Slot Valve Condition [Cluster]	Include : Cluster valve_condition(-[a-zA-Z0-9_]+)*\.v0	Exclude : Cluster