PCI REGISTRY_ADVANCED PCI_DATA STANDARD

ID	Field name / prompt	Definition	Field content	Definition of field options
Section 7.1: Advanced PCI Procedure Details				
A	**NON LMS BIFURCATION LESION OR SIDE BRANCH**			
4.0	Size of Side Branch (mm)		2.0mm - 2.5mm	
			> 2.5mm	
8.0	Protect with wire		Yes	
			No	
9.0	Bifurcation techniques (using 1 stent)		Simple cross over	
			Ostial Stenting	
			Simple cross over with kissing balloon	
			Simple cross over with drug eluting balloon side	
			Proximal optimisation technique (POT)	
9.02.1	Bifurcation techniques (using 2 stents)		Planned	
			Provisional	
9.02.2	Techniques		Cullote	
			Crush	
			Mini crush	
			Double barrel Y	
			Dedicated bifurcation stent	
			V	
			Double kiss crush	
			Reverse crush	
			T	
			Small protrusion (TAP)	
			Proximal optimisation technique (POT)	
			Others, specify	
14.0	Final kissing	PCI technique used in treating bifurcation lesions	Yes	
			No	
			Failed	

PCI REGISTRY_ADVANCED PCI_DATA STANDARD

B	**LEFT MAIN STEM**			
1.0	LMS Intervention	Indicate type of PCI performed at LMS	Unprotected	
			Protected	
2.0	Location	Site of lesion in LMS	Ostial	
			Body	
			Distal & Bifurcation	
3.0	IVUS guided	Use of intravascular ultrasound in PCI	Yes	
			No	
4.0	OCT guided	Use of Optical Coherence Tomography device	Yes	
			No	
5.0	CSA Intervention (mm^2)		Pre	cross sectional area of vessel lumen pre PCI as measured by IVUS or OCT
			Post	cross sectional area of vessel lumen post PCI as measured by IVUS or OCT
6.0	Side branch wire protected		Yes	
			No	
7.0	Final kissing	PCI technique used in treating LMS	Yes	
			No	
			Failed	
8.0	Techniques with 1 stent		Simple cross over	
			Ostial Stenting	
			Simple cross over with kissing balloon	
			Simple cross over with drug eluting balloon side branch	
8.02.1	Techniques with 2 stents		Planned	
			Provisional	
8.02.2	Techniques		Cullote	
			Crush	
			Mini crush	
			Double barrel Y	
			Dedicated bifurcation stent	
			V	
			Double kiss crush	
			Reverse crush	
			T	
			Small protrusion (TAP)	
			Others, specify	

PCI REGISTRY_ADVANCED PCI_DATA STANDARD

C	**CTO > 3 months**			
1.0	CTO characteristics			
1.01	Estimated length of CTO (mm)	Estimated length of CTO vessel segment	<20	
			≥20	
1.02	Side branches (within 3mm of entry	the presence of side-branches within 3 mm at site of CTO	Yes	
			No	
1.03	Entry site	description of site of occlusion	Blunt	
			Tapered	
1.04	Calcification	Formation of hardened calcium deposits in the blood vessels	Yes	
			No	
1.05	Bridging collaterals	microchannels formed from proximal to the distal occluded segment of a CTO vessel	Yes	
			No	
1.06	Tortuosity/ Bend >45º	The vessel angulation at the point of CTO	Yes	
			No	
1.07	Re-attempt lesion		Yes	
			No	
1.08	JCTO score			
1.09	Duration of CTO	estimated occurrence of CTO		
2.00	Guide size		5F	
			6F	
			7F	
			8F	
3.00	Contralateral injections	Injection of contrast injected in the opposite non-occluded vessel	Yes	
			No	
4.00	IVUS guided	Use of intravascular ultrasound in PCI	Yes	
			No	
5.00	CTA guided	PCI technique of trying to cross the CTO by outlining the occluded vessel by CT angiogram	Yes	
			No	
6.01	Approach - Antegrade	PCI technique of wiring CTO vessel from proximal to distal captured at 3 levels	Single wire	
			Parallel wire	
			Anchor wire	
			Anchor balloon	
			STAR	
			Others, specify	

PCI REGISTRY_ADVANCED PCI_DATA STANDARD

6.02	Approach - Retrograde	PCI tevhnique of wiring CTO vessel from distal to proximal through collateral vessel at 3 levels	CART	
			Reverse CART	
			Knuckle wire	
			Kissing wire technique	
			Others, specify	
7.00	Name of wires (in sequence)	Name types of wire used to cross the CTO in sequence		
8.00	Name of wire that crossed			
9.00	Other devices	Indicate if other device was used to treat CTO	Over the wire balloon	
			Rapid exchange balloon	
			Microcatheter	
			Extension catheter	
			Cosair	
			Tornus	
			Rotablator	
			CrossBoss	
			Re-entry device - Stringray	
			Re-entry device - Double lumen micro catheter	
			Others, specify	
10.00	Result	Results obtained following PCI of CTO	Failed attempt	
			Lesion crossed	
10.01	If lesion crossed		Only wire crossed	wire able to cross the CTO but no other device can cross
			Successful PCI	Other device is able to cross CTO once wire crossing is succesful
11.00	Complication - Perforation		Yes	
			No	
11.01	If perforation yes		Wire	
			Balloon	
			Stent	
			Guide catheter	

PCI REGISTRY_ADVANCED PCI_DATA STANDARD

D	**CALCIFIED LESION**			
1.00	Angiography severity		None	no radiopacity
			Mild	densities noted only after contrast injection
			Moderate	radiopacities noted only during the cardiac cycle before contrast injection
			Severe	radiopacities noted without cardiac motion before contrast injection
2.00	IVUS assessment		Yes	
			No	
2.01	Arc of calcium (degree)		<90	
			91 - 180	
			181 - 270	
			271 - 360	
2.02	Length of calcium (mm)		≤ 5	
			6 - 10	
			≥ 11	
2.03	Location of calcium		Superficial only	
			Deep only	
			Superficial + Deep	
3.00	Predilatation		Compliant balloon	
			Cutting balloon	
			Tornus	
			Non Compliant balloon	
			Scoring balloon	
			Rotablator	
			Others, specify	
3.01	No of Burr	number of rotablator device used		
3.02	Burr size	size of rotablator device		