CRISP Registry

Congenital Cardiovascular Interventional Study Consortium

April 9, 2026

RE: Contemporary Patterns of Stent Type Selection for Pulmonary Artery (PA) and Coarctation (CoA) Stenting Procedures – Data from the CRISP Registry

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Key Message

The CRISP Registry monitors contemporary practice patterns in stent type selection for key congenital interventional procedures. The registry provides contemporary data on stent type selection in PA and CoA Stenting procedures.

The analysis was performed on the CRISP registry benchmark dataset downloaded on April 7, 2026. The whole dataset included 11,984 cases from 20 participating centers during the period of 27 months (January 2024 to March 2026). CoA stenting procedures included 210 cases, whereas PA stenting procedures included 385 cases. Summary data are presented based on stent location, stent type, and IntraStent LD Max/Mega stent use.

A. Pulmonary Artery Stenting Procedures (n=385)

PA stent location

	Cases	Percent
Bilateral proximal	40	10%
Distal	26	7%
Distal ± Proximal	16	4%
Unilateral Proximal	303	79%

PA stent type

	Cases	Percent
IntraStent LD Max	57	20%
IntraStent LD Mega	19	
Formula 418	99	26%
Genesis XD	47	12%
Palmaz XL	20	5%
Express LD	8	2%
Premounted Genesis	20	5%
Valeo	27	7%
Visi-Pro	13	3%
Others	75	20%

IntraStent LD Max/Mega use based on PA stent location

	Cases	Percent
Bilateral proximal	8/40	20%
Distal	1/26	4%
Distal ± Proximal	2/16	13%
Unilateral Proximal	65/303	22%

B. CoA Stenting Procedures (n=210)

CoA stent location

	Cases	Percent
Ascending aorta	11	5%
Proximal DsAo	151	72%
Transverse arch	48	23%

CoA stent type

	Cases	Percent
IntraStent LD Max	49	28%
IntraStent LD Mega	10	
Covered CP	34	16%
CP	9	4%
Palmaz XL	30	14%
Genesis XD	13	6%
Others	74	35%

IntraStent LD Max/Mega use based on CoA stent location

	Cases	Percent
Ascending aorta	2/11	18%
Proximal DsAo	41/151	27%
Transverse arch	16/48	33%

Note: Stent type selection depends on the patient's body size, especially for PA stenting. For smaller patients, pre-mounted stent types are predominantly used for PA stenting. Analysis stratified by body size is not included in this summary.

CRISP Registry Organizer