

## Number of Catheterization Laboratories

V. Mühlberger July 15th 2021

**2019**

**2020**

percentage (%) to denominator	27	Parameters complete in both years	Difference 2019 vs. 2020	27	percentage (%) to denominator
		<b>DIAGNOSTIC and ELECTROPHYSIOLOGY</b>			
	45011	Diagnostic coronary angiography (CA)	-8,70%	41104	
	18	Ø Mortality CA overall		6	
	6614	CA without shock due to infarction		5657	
	4	Mortality CA without shock		1	
	288	CA with shock due to infarction		185	
	12	Mortality CA with shock		5	
	4	Myocardial infarction as complication		6	
	0	With new Q-wave		0	
	4	Defined by Troponin or CK		6	
70,00%	31487	Non femoral (radial) approach	-6,90%	29309	71,30%
3,40%	1079	Crossover to femoral during procedure		1081	3,70%
0,14%	44	Local radial artery complications		40	0,14%
	22	Reversible neurological complications		23	
	10	Irreversible neurological complications		12	
	73	Vascular peripheral complications		46	
	16	With Surgery or transfusion		8	
	47	With local injection of thrombin		29	
	4945	Left ventricular angiography	-12,20%	4344	
	1367	Right Heart Catheterization	-17,30%	1130	
	134	Myocardial biopsies	-42,50%	77	
	3216	Diagnostic electrophysiology	-8,30%	2948	
	3016	Electrophysiological ablations	-6,90%	2809	
	1145	Ablation in atrial fibrillation	plus 16,2%	1331	
	161	Ablation in ventricular rhythm disorders	plus 13,7%	183	
	2203	DEVICE-Implantations (Pacemakers)	-11,30%	1955	
	101	Leadless Pacemaker	plus 9,9%	111	
		<b>NON ACUTE PCI</b>			
	12076	Non- acute PCI	-9,50%	10933	
	6	Mortality PCI non-acute overall		6	
	69	Myocardial infarction as complication		62	
	6	With new Q - wave		5	
	55	Defined by Troponin or CK		54	
44,90%	5418	Non femoral (radial) approach (TRA)		5410	49,50%
5,50%	299	Crossover to femoral (TFA) during procedure		255	4,70%
0,26%	14	Local radial artery complications		12	0,22%
	4	Reversible neurologic complications		6	
	3	Irreversible neurologic complications		1	
	42	Vascular peripheral complications (all)		45	
	3	With Surgery or transfusion		5	
	16	With local injection of thrombin		6	
		<b>ACUTE PCI</b>			
	7427	Intention to treat	-10,60%	6636	
1,21%	90	Ø Mortality acute overall		85	1,12%
	5823	PCI acute without shock		5083	
	22	Mortality PCI without shock		20	
	306	PCI acute with shock		249	
22,20%	68	Mortality PCI with shock		64	25,70%
	2808	Non femoral (radial) approach (TRA)		2539	
	89	Crossover to femoral (TFA) during procedure		98	
	6	Local radial artery complications		10	
	1	Reversible neurologic complications		2	

	3	Irreversible neurologic complications		4	
	19	Vascular peripheral complications (all)		30	
	6	With Surgery or transfusion		8	
	3	With local injection of thrombin		5	
		<b>PCI</b>			
	1425	Intracoronary diagnostic device without PCI		1454	
	19503	PCI (cases) therapeutic interventions	-9,90%	17574	
	7427	PCI for acute situation OR ongoing infarction	-10,60%	6636	
	3422	PCI for ongoing STEMI	-6,80%	3190	
	1479	Bifurcation PCI with large sidebranch		1306	
4,40%	859	PCI for chronic total occlusion (CTO)		738	4,20%
17,60%	3430	Multivessel PCI (within one PCI session)		3118	17,70%
53,90%	10512	PCI during diagnostic study (ad hoc)		8960	51,00%
	11627	Radial/brachial approach (non-femoral) during PCI		10925	
	516	Crossover to femoral during or before PCI		599	
	61	Local radial artery complication		47	
	81	Infarction as complication (by any definition)		58	
	10	Iatrogenic left main artery dissection		10	
	6	Emergency surgery after PCI and/or CA		7	
0,46%	90	In-hospital death after PCI		96	0,55%
	0	In-hospital death after PCI (after surgery)		0	
	17558	Number of STENT cases:	-6,40%	16431	
	17485	drug eluting stents (cases) (DES)	-5,50%	16520	
	784	drug eluting balloon (DEB) (cases)		753	
	19	biodegradable vascular scaffolds (BVS) (aka Biostent)		15	
	623	left main stents		579	
	6176	multiple stents (cases)		5350	
	662	PCI for in stent restenosis		606	
	428	PCI due to chronic hyperplasia		325	
	51	PCI due to very late chronic stent thrombosis		46	
1,54%	300	Rotablator	-6,70%	280	1,59%
1,64%	319	Catheter aspiration Thrombectomy		286	1,63%
16,56%	3230	Intracoronary pressure FFR		3179	18,10%
	1668	FFR decision with adenosine		1651	
	1246	FFR decision without adenosine (= iFR)		1311	
3,19%	623	Intracoronary ultrasound (IVUS)	plus 12,2%	699	3,98%
	27	Intra-aortic balloon pump during PCI		11	
	54	Other devices incl. ECMO etc.		91	
	397	Platelet glycoprotein IIb/IIIa antagonist		379	
	83	Direct thrombin inhibitor in PCI		85	
2,32%	453	Optical coherence tomography (OCT)	-1,80%	445	2,50%
	2	Alcohol ablation for septal hypertrophy (PTSMA)		0	
		<b>OTHERS</b>			
	441	Renal, iliac or leg artery intervention performed in CathLab	-0,90%	437	
	84	Carotid artery intervention in CathLab	-42,90%	48	
	75	Mitral Clipping with Implantation	plus 28%	96	
	766	Transcatheter aortic valve implantation (TAVI / TAVR)	plus 4,3%	799	
	6	transapical valve (reporting incomplete)		3	
	735	transarterial valve		764	
	37	Left atrial appendix occlusion (LA AO)		36	
	176	PFO/ASD/PDA closure by catheter	plus 2,2%	180	
	14	Other valve interventions		6	