SwissEPnet		Extraction Form
	Hospital	
Name		
First name	Date of birth	
Address	Sex	Om Of
	Phone	
Country		
Inclusion criteria		
Planned extraction procedure for at least or use of dedicated extraction tools (locki		
Existing device prior to extraction		
Date of last device operation	_ Overall n	umber of prior device operations
Type of currently implanted device O PM	O ICD Number of	of currently implanted intravasc. leads
□ Active RA lead □ Active RV lead	□ Active CS lead	
□ Active conduction system lead	Active epicardial lead	d (s)
□ Prior device upgrade		
Underlying rhythm >=40/min O yes	() no	

Prior to extraction						
Clinical characteristics						
Heightcm	Weigl	ht kg				
□ Atrial Fibrillation						
Chronic renal insufficiency	(GFR < 60 ml/	/min.) O no	one O yes	O he	emodialysi	is
Comorbidities			_		_	
	ension			-		Venous occlusion
CMP CMP other	· details (if 99 =	= other)				
Echocardiography						
LVEF %						
□ Vegetation						
Tricuspid valve insufficienc	cy O no	ne	O mild	O modera	ite O) severe
Medication						
Antiaggregation	O no	ne	O single	O dual		
Anticoagulation	O no			nterrupted >48	3h O	NOAC continued
	O VK	KA interrupted	O VKA con	tinued		
Heparin bridging						
Lead extraction general in	nformation					
Date of intervention						
Indication for lead extractio				9 = other)		<u> </u>
Setting	O EP lab	O Hybrid OR	O OR			
Anesthesia	O conscious		O intubat	ion		
TEE	O none	O in room	O in situ			
Cardiac surgeon	○ none○ planned as	O noneO informed & stand-byO in the ORO planned as hybrid procedure				
Heart lung machine	O none	O informed &	stand-by	O in the OF	२	
Bridge occlusion balloon	O none	O prep kit	O balloor	n in situ	O balloo	on deployed
Additional intervention during lead extraction						
Additional intervention other details (if 99 = other)						
Re-implantation system	O none O permanent	O temporary t leadless	•	nent transven nent epicardia		
Re-implantation device	O none	O temporary	O PM	O ICD) S-ICD	O leadless
Re-implantation electrodes	, O none	O temporary	O VVI) CRT	O leadless O CSP
Use of antibiotic envelope	O no	O yes				
Operator 1		OI	perator 2			
Total procedure time	_min Total	fluoro time	min	Total fluoro	dose	cGy x cm ²

Details on leads targeted for extraction					
Number of leads tar	geted for extraction				
	Lead 1	Lead 2	Lead 3	Lead 4	Lead 5
Date of implant					
Serial number					
Manufacturer					
Model					
Fixation	O active O passive	O active O passive	O active O passive	O active O passive	O active O passive
Location of fixation	O RA O RV O CS O Cond. system O Leadless	O RA O RV O CS O Cond. system O Leadless			
Lead access	O left O right	O left O right			
Туре	O pace/sense O single-coil O dual-coil	O pace/sense O single-coil O dual-coil			
Simple traction					
Locking stylet					
Teflon sheath					
Laser sheath					
Mech. rot. sheath (Select the last sheath used for successful extraction)	○ no○ Philipps TightRai○ Cook evolution	○ noI ○ Philipps TightRai○ Cook evolution	 ○ no il ○ Philipps TightRai ○ Cook evolution 	 ○ no □ ○ Philipps TightRai ○ Cook evolution 	 ○ no I ○ Philipps TightRail ○ Cook evolution
Femoral snaring	○ No○ Needle's Eye○ Goose neck○ EN snare	○ No○ Needle's Eye○ Goose neck○ EN snare	○ No○ Needle's Eye○ Goose neck○ EN snare	○ No○ Needle's Eye○ Goose neck○ EN snare	 No Needle's Eye Goose neck EN snare
Result					 O compl. success O clinical success O failure
Approach	Superiorinferiorboth	O superiorO inferiorO both	O superior O inferior O both	○ superior○ inferior○ both	O superior O inferior O both

Complications until discharge				
Total duration of hospital stay at the extraction center		days		
Death	○ no ○ unrelated to extraction		 C complication of the lead extraction procedure O due to the disease which indicated extraction 	
SVC laceration	O no	O yes		
Hemato-/Pneumothorax	O no		O interventional drainage	O surgical drainage
Cardiac tamponade	O no		O interventional drainage	O surgical drainage
Lead issue	O none	O dislocation	O perforation	O electrical
□ none			☐ Stroke	
□ Unplanned conversion to cardiac surgery		☐ HLM in use		
New severe tricuspid insufficiency		Groin complication (req. intervention)		
□ Pulmonary embolism		□ Newly elevated hemidiaphragm		
□ Anesthesia complication		☐ New diagnosis of thrombosis		
□ Pocket hematoma (req. intervention)		☐ Transfusion of >=2 packed red blood cells		
□ Cardiac decompensation				
□ other:				

30 days outcome						
Total duratior	n of hospital stay all i	nstitutions together	days			
Complicatio	ns occuring betwee	n discharge from extraction	n center to day 30			
□ none	□ Death	☐ Pulmonary embolism	☐ Stroke	□ Cardiac decompensation		
□ other:						
Lead issue	O none	O dislocation	O perforation	⊖ electrical		

Code List

Clinical characteristics prior to extraction	Lead extraction general information	
СМР	Indication for lead extraction	Additional intervention during lead extraction
01 = none	01 = CIED-related endocarditis	01 = none
02 = ICM	without pocket infection	02 = PFO occlusion
03 = DCM	02 = isolated pocket infection	03 = ASD occlusion
04 = valvular	03 = pocket infection with bacteraemia	04 = transvenous vegetation aspiration
05 = primary electrical disease	04 = occult bacteraemia with probable	05 = PTA
06 = GUCH	CIED infection	06 = direct re-implant of new device
99 = other	05 = lead dysfunction	99 = other
	06 = upgrade	
	07 = vascular occlusion	
	08 = pain	
	99 = other	