

Table S1. PROCEDURE FOR INSERTION OF REBOA FOR OHCA

Abort procedure if technical problems like:

- -severe difficulties in ultrasound (US) visualization of the artery or cannulation
- -resistance when inserting guidewire, introducer or catheter
- -severe bleeding
- -time consuming procedure

PHYSICIAN	PARAMEDIC		
1. Cut clothes from knee to groin	1. Open kit – unpack – place sterile gloves for physician		
2. Examine with US – store image	2. Place introducer and balloon-catheter on sterile cloth		
3. Note EtCO2	3. Prepare NaCl and Chlorhexidine – close to physician		
4. Fill NaCl in wash tray	4. Put on sterile gloves		
5. Apply Chlorhexidine on compresses	5. Aspirate 15 ml NaCl from wash tray in 20 ml syringe		
6. Wash selected area with forceps and compresses	6. Hand physician forceps – place compresses on sterile cloth		
7. Fill gel into the US-cover – place it on the US-probe	7. Apply sterile drape		
8. Apply US-gel on the thigh	8. Prepare US-cover		
9. US-guided cannulation of a. femoralis	9. Apply elastic band – place probe on the sterile drape		
10. Insert guidewire into cannulation needle, 60 cm	10. Prepare needle with 5 ml syringe		
11. Remove needle – make skin incision with scalpel	11. Ready guidewire		
12. Record US-video of guidewire in a. femoralis	12. Hand physician soft end of guidewire, insert to 60 cm		
13. Insert introducer – remove dilatator	13. Hand scalpel to physician		
14. Insert balloon-catheter, 50 cm	14. Mount introducer and dilatator onto guidewire		
15. Check pulse - LEFT a. radialis	15. Control the guidewire		
16. Fill balloon with 15 ml NaCl	16. Ready balloon-catheter		
17. Check pulse in LEFT a. radialis	17. Put stopcock on blue line		
18. Note time for balloon inflation and EtCO2	18. Put plug on the black line		
19. Suture and fixate	19. Hand physician 20 ml syringe with 15 ml NaCl		
20. Place adhesive cover over REBOA-equipment	20. Ready suture – needle-holder – scalpel		
21. Secure guidewire with forceps	21. Cut suture		
	22. Ready adhesive cover		
	23. Cut and remove sterile drape		

Table S2.			Inclusion criteria	Yes	No	_
Checklist REBOA	ID number	Date	Non-traumatic cardiac arrest			
Patient			Age 18-75 years			
			Less than 10 min from arrest to bystander CPR			
	Time		Pregnant			
Arrival at patient			Suspected cerebral catastrophe as etiology			
Start of REBOA procedure			End stage terminal illness			
Occlusion of aorta			Hypothermic, incl drownings			
Deflation of balloon			Strangulation			
					_	
	EtCO2			Yes	No	
Before occlusion of aorta			Palpable pulse in left radial artery before occlusion			
After occlusion of aorta			Palpable pulse in left radial artery after occlusion			1
after 30 seconds	s					
after 60 seconds	s			Yes	No	
after 90 seconds	s		Did the procedure interrupt the CPR]
After ROSC			· · · · · · · · · · · · · · · · · · ·		_ !	J
				Easy	Medium	Impossible
Arterial blood gas after admi	ission to hospital		Ease of access to patient			
рН			Ease of visualisation with ultrasound			
			Ease of cannulation			
BE			Ease of insertion of guidewire			
s-Lactate						
			Ease of insertion of introducer Ease of REBOA insertion			