

SUPPLEMENTARY FILE 2. French numeric survey for practices organization in Level-1 traumacenter.

REBOA (*Resuscitative Endovascular Balloon Occlusion of the Aorta*) is increasingly used in management of severe trauma patients. Due to inflation of balloon into aorta, it allows to reduce or stop the blood flow below the balloon in order to control the bleeding. The aim of present survey is to describe practices in the different European countries.

Duration of response is 3 – 5 minutes.

Thank you for your participation!

French society of anaesthesiology and critical cares (SFAR) - ACUTE group

PART 1: INDIVIDUAL DATA

Only one response is expected by institution.

Name:

Name of institution, city:

Personal mail:

PART 2: TRAUMACENTER DATA

All questions are focused on REBOA. Responses should be done on team use and not on personal practice.

- Does a specific REBOA protocol exist in your traumacenter to identify the clinical indications?
☐ yes ☐ no
- Does a specific REBOA protocol exist in your traumacenter to describe procedure?
☐ yes ☐ no
- If yes, does your REBOA protocol determine a maximal duration of complete aortic occlusion?
☐ yes ☐ no
- Does a specific REBOA set exist in your traumacenter?
☐ yes ☐ no
- Is there a referring physician on REBOA in your traumacenter?
☐ yes ☐ no

PART 3: CONCERNING INDICATIONS OF REBOA IN TRAUMA SETTING

- Have you ever use REBOA in your center (*prehospital of intrahospital placement*)
☐ yes ☐ no

If no, next question may be read part 6

- During 2022, how many REBOA were placed in your center?
☐ 0 ☐ 1-5 ☐ 6-10 ☐ >10

- May trauma patients admit in your center after a prehospital REBOA placement?

☐ yes ☐ no

PART 4: REBOA PLACEMENT IN TRAUMA SETTING

- Which kind of suspected injuries may justify a REBOA placement (*several responses may be possible*)

Abdominal trauma	<input type="checkbox"/> yes <input type="checkbox"/> no
Pelvic trauma	<input type="checkbox"/> yes <input type="checkbox"/> no
Thoracic trauma	<input type="checkbox"/> yes <input type="checkbox"/> no
Lower limb trauma	<input type="checkbox"/> yes <input type="checkbox"/> no
Other:	

- What is the current device of used REBOA?

☐ Boston scientific ☐ ER-REBOA Prytime ☐ BVM MEDICAL ☐ other

- What is the diameter of current used sheath?

☐ 7 Fr ☐ 8Fr ☐ 10 Fr ☐ 12Fr ☐ other

- What is the diameter of current used balloon?

☐ 20-24 mm ☐ 25-30 mm ☐ >30 mm

- Is traumatic cardiac arrest an indication of REBOA in your center?

☐ yes ☐ no

- Which physician does place REBOA in your center?

☐ Trauma surgeon
☐ Vascular surgeon
☐ Visceral surgeon
☐ Anaesthesiologist
☐ Intensivist
☐ Emergency physician
☐ Interventional radiologist

PART 5: A REBOA MANAGMENT IN TRAUMA SETTING

A propos des REBOA posés dans votre centre au cours de l'année 2022 :

-Which king of occlusion is practiced in your center?

☐ complete only
☐ Partial only
☐ Complete or partial

- Used in area 1 (between left subclavian artery and coeliac trunk)

☐ Never ☐ <50% of REBOA ☐ >50% of REBOA

- Used in area 3 (below lower mesenteric artery)

☐ Never ☐ <50% of REBOA ☐ >50% of REBOA

-May interventional radiology be practiced with a REBOA?

Area 1 ☐ Never ☐ <50% of REBOA ☐ >50% of REBOA
Area 3 ☐ Never ☐ <50% of REBOA ☐ >50% of REBOA

- Generally, what is the maximum duration of complete occlusion by REBOA that you authorize??

Area 1 ☐ <30 mins ☐ <45 mins ☐ < 60 mins ☐ <120 mins ☐ not defined.
Area 3. ☐ <30 mins ☐ <45 mins ☐ < 60 mins ☐ <120 mins ☐ not defined

-Concerning complications associated with REBOA placement?

- ischemic complications ☐ Never ☐ <50% of REBOA ☐ >50% of REBOA
- septic complications ☐ Never ☐ <50% of REBOA ☐ >50% of REBOA
- hemorrhagic complications ☐ Never ☐ <50% of REBOA ☐ >50% of REBOA

- Can you describe in a few words the serious complications encountered following the installation of REBOA in trauma patients, in your center?

- In a general way, how do you judge the use of REBOA in your center?

☐ Never useful ☐ useful <50% of cases ☐ useful >50% of cases

PART 6: REBOA FORMATION

- Would you like participate to REBOA formation?

☐ useless ☐ Theoretical formation ☐ Practice training ☐ Both

-Does your center participate to a national register focused on REBOA?

☐ Yes, which one:.....
☐ No, but we are interested to integrate one
☐ No, it is not useful for us