



Patient's ID

## Brainstem responses assessment in ICU

Date: (mm/dd/yyyy):														
	R	L	R	L	R	L	R	L	R	L	R	L	R	L
Pupils size														
Pupillary light reflex														
Corneal reflex														
Oculocephalic reflex														
Grimacing to pain														
Cough reflex														
Remarks														

- Note reflexes as **present** (any reproducible attended movements) or **absent** (0 / 1 or - / +), use right (R) and left (L) when it is appropriate
- **Pupils size** is noted in mm or > < = to 2 mm and 5 mm (if the form is printed in A4 format [1 cm =  ; 1 inch =  ]: 2 mm = ● ; 5 mm = ● )
- **Corneal reflex** is assessed with eye drop or sterile tissu applied to the sclera and considered present if any contraction of the superior/inferior led or a revulsion of the ocular glob is observed
- **Oculocephalic reflex (OCR)** is considered present if the eyes cross the midline during a lateral passive head rotation (we test the horizontal OCR only)
- **Grimace to pain** is assessed during a bilateral and strong pressure to the retro-mandibular regions
- **Cough reflex** is assessed in response to a tracheal suctioning and considered positive if any contraction of abdominal muscles is observed

### Brainstem Responses Assessment Sedation Score (BRASS)

**BRASS** is the sum of the following sub-scores:

- absent pupillary light reflex = 1
- absent cough reflex = 1
- absent corneal reflex = 2
- absent grimace to pain and absent OCR = 1
- absent grimace to pain but presence of OCR = 3

The 28-day mortality predictive value of the BRASS assessed within the first 24 hours of sedation has been developed and validated in deeply sedated patients (no movement to voice; RAAS <-3). Ref: Rohaut B, et al. (2017). PLoS ONE 12(4): e0176012.

