Simplified Evaluation of CONsciousness Disorders (SECONDs)

A. Observation

…………………………………………………………………………………………………
…………………………………………………………………………………………………

☐ **B. Command-following** (score 6)

3 x 3 spoken commands
10'' interval between commands
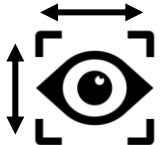(1 x 3 written command if 0/3)
Stop if 2 commands 3/3

Command 1: ……………………………………………………… …/3
2: ……………………………………………………… …/3
3: ……………………………………………………… …/3
Written command: ……………………………………… …/3
→ The patient responds at least twice for one of the commands (= score 6)

C. Communication

☐ **Intentional** (score 7)
☐ **Functional** (score 8)

Autobiographical questions
Name (no), birth date (yes), name (yes), birth date (no), children (yes/no)
If incorrect answer(s): Situational questions
Place (yes), wearing a hat (no), place (no), touching hand (yes), touching face (no)

If command-following

Code yes : ………………………………………………………………………
Code no : ………………………………………………………………………
Responses : …/5   o Verbal   o Autobiographical
Correct : …/5   o Written   o Situational
→ The patient responds (even incorrectly) to at least 3 questions (= score 7)
→ The patient correctly responds to the 5 questions (= score 8)

☐ **D. Visual pursuit** (score 4)

Person/mirror, 30 cm from face
Each movement on horizontal or vertical axes = 4''(→←↓↑)

Horizontal : …/2   Vertical : …/2
o Spontaneous   o Mirror   ☐ Manual eye-opening
→The patient shows at least 2 visual pursuits of at least 2 seconds (= score 4)

☐ **E. Visual fixation** (score 3)

Person/mirror, 30 cm from face
Present stimulus in each quadrant

Sup L : …/1   Sup R : …/1
Inf L : …/1   Inf R : …/1
o Spontaneous   o Mirror   ☐ Manual eye-opening
→The patient shows at least 2 visual fixations of at least 2 seconds (= score 3)

☐ **F. Pain localization** (score 2)

Inform patient
5'' pressure on nail bed
1 trial on each hand

If no command-following

Localization: L : …/1   R : …/1
Anticipation: L : …/1   R : …/1
→The patient touches the point of stimulation at least once with the non-stimulated hand (= score 2)
→The patient shows 2 anticipations (= score 6)

☐ **G. Oriented behaviors** (score 5)

E.g., scratching, grabbing sheets, holding bed, laughing or crying contextually,…

……………………………………………………………………………………………
………………………………………………………………… Nb :……
→The patient shows at least one oriented behavior (= score 5)

H. Arousal

☐ **Eye-opening** (score 1)
☐ **No arousal** (score 0)

Report the percentage of eye-opening time and administered stimulations

0-25% / 25-50% / 50-75% / 75-100%
Spontaneously / Auditory / Tactile / Pain stimulations
→ The patient shows at least one eye-opening during the whole assessment (= score 1)

Diagnosis : Coma (0) / UWS (1) / MCS- (2-5) / MCS+ (6-7) / EMCS (8)
Additional index point : … /100