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International validation of the Phone Outcome Questionnaire for patients with Disorders Of Consciousness

Audrey Wolff; Anna Estraneo; Quique Noé; Rita Formisano;
Lamberti Gianfranco; Orsola Masotta; Maria Daniela Lo Sapio; Ferri Joan;
Blandiaux Séverine; Aubinet Charlène; Leandro Sanz; Alice Barra;
Annen Jitka; Estelle Bonin; Thibaut Aurore; Chatelle Camille;
Martial Charlotte; Laureys Steven; Olivia Gosseries

disorders of consciousness

outcome

glasgow outcome scale-revised

phone outcome questionnaire

crs-r

 Abstract

International validation of the Phone Outcome Questionnaire for patients with

Wolff, A.^{1,2}, Estraneo, A.³, Noé, E.⁴, Formisano⁵, R., Lamberti, G.⁶, Masotta, O.³, Lo Sapio, D.³, Ferri, J.⁴, Blandiaux, S.^{1,2}, Barra, A.^{1,2}, Annen, J.^{1,2}, Bonin, E.^{1,2}, Thibaut, A.^{1,2}, Chatelle, C.^{1,2}, Martial, C.^{1,2}, Laureys

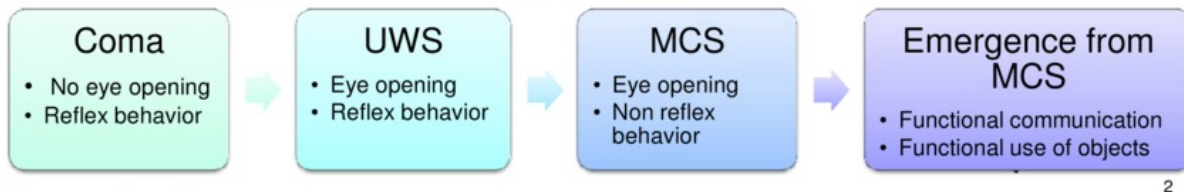
¹GIGA-Consciousness, University of Liège, Liège, Belgium | ²Coma Science Group, Neurology Department, University Hospital of Liège, Liège, Belgium | ³Laboratory and Neurorehabilitation Unit, Neurorehabilitación de Hospitales Vithas, Valencia, Spain | ⁵Unità Post-Coma ;Fondazione Santa Lucia, Roma, Italy | ⁶Neurorehabilitation and Vegetative State Unit "E. Vigliani"

Introduction

No specific outcome scale for patients with disorders of consciousness (DOC)

Diagnosis of DOC :

Coma Recovery Scale – Revised (CRS-R)¹ :



Comparison between :

- Glasgow Outcome Scale – Extended (GOS-E)³
- Phone Outcome Questionnaire (POQ)
 - Based on CRS-R items
 - Measures the presence and frequency of purposeful behaviors

Methods

1. Inter-rater reliability
2. Questionnaire frequency
3. 2 b...
 - e
 - i

Within-rater reliability

Examined → Phone Outcome Questionnaire (POQ) on main care...

- S
- F
- C

Examined

→ at least

→ Best

Results

92 DOC patients: 37 UWS, 27 MCS-, 17 MCS+, 11 EMCS; 31 females; 47±17 years old; Onset (median): 10,43months; TBI=30.

92 relatives : 67 females, 49±15 years old ; Visit every day = 59; ≥ University level = 25.

Diagnosis comparison between :

1. POQ and the best CRS-R

% of agreement : 67 % ; Weighted k= 0,514 p<0.01

| | | Best CRS-R diagnosis | | | Total |
|---------------|--------|----------------------|-----|------|-------|
| | | UWS/VS | MCS | EMCS | |
| POQ diagnosis | UWS/VS | 13 | 3 | 0 | 16 |
| | MCS | 24 | 38 | 0 | 62 |
| | EMCS | 0 | 3 | 11 | 14 |
| Total | | 37 | 44 | 11 | 92 |

2. POQ and GOS-E

% of agreement : 89% ; k = 0,776 p<0.01

3. GOS-E and best CRS-R results

% of agreement : 75% ; k= 0,459 p<0.01

Excellent agreement : POQ & GOS-E

Moderate agreement : CRS-R & POQ et CRS-R & GOS-E

Conclusion

1. POQ comparison
2. Family comparison
3. POQ outcome



awolff@uliege.be



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