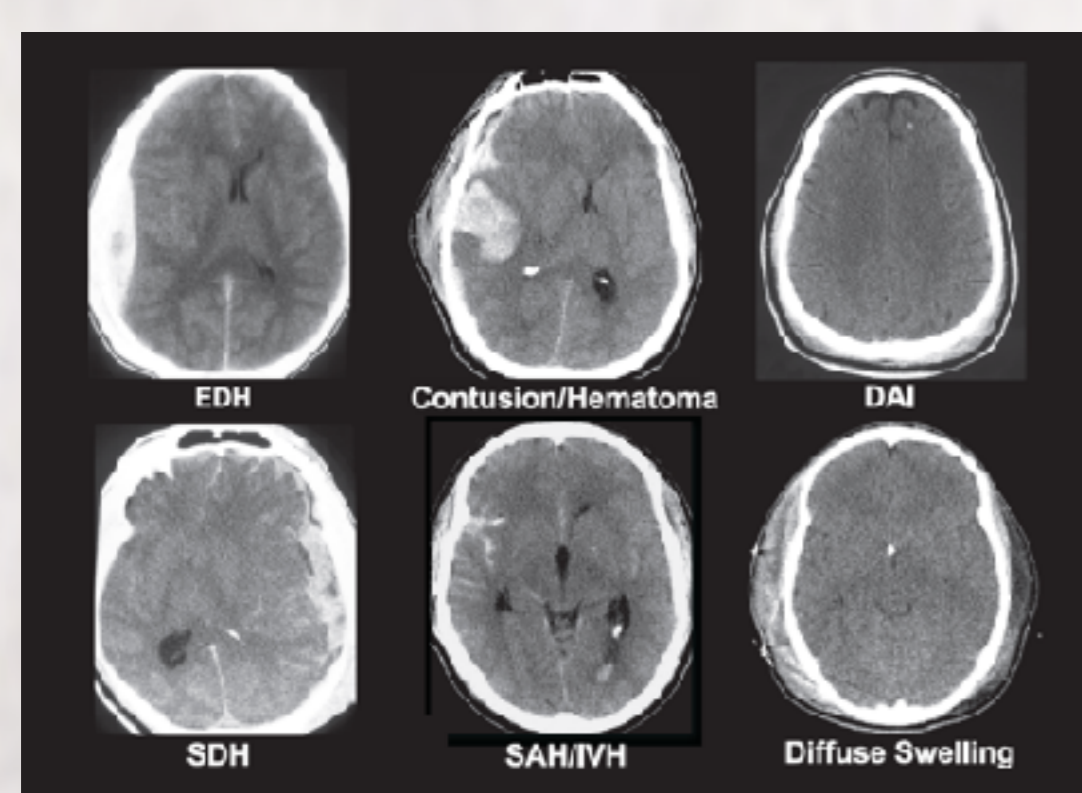




Follow up of Traumatic Brain Injury: a little experience

F.Ragusa, A. Marudi, E.Bertellini. Neuro-ICU, Nuovo Ospedale Civile S. Agostino Estense-Modena

Introduction and objectives: Traumatic Brain Injury-TBI is a leading cause of death and disability in Europe and United States, in people under the 45 years or upper 65 years. For its consequences TBI is one of the most important socio-economic problems of the modern age. This is an observational-prospective-longitudinal study, aims to evaluate Disability and Quality of Life in patients victim of TBI. Was inspired by the European project CREATIVE (*Collaborative REsearch on ACute Traumatic brain Injury in intensiVe care medicine in Europe*).



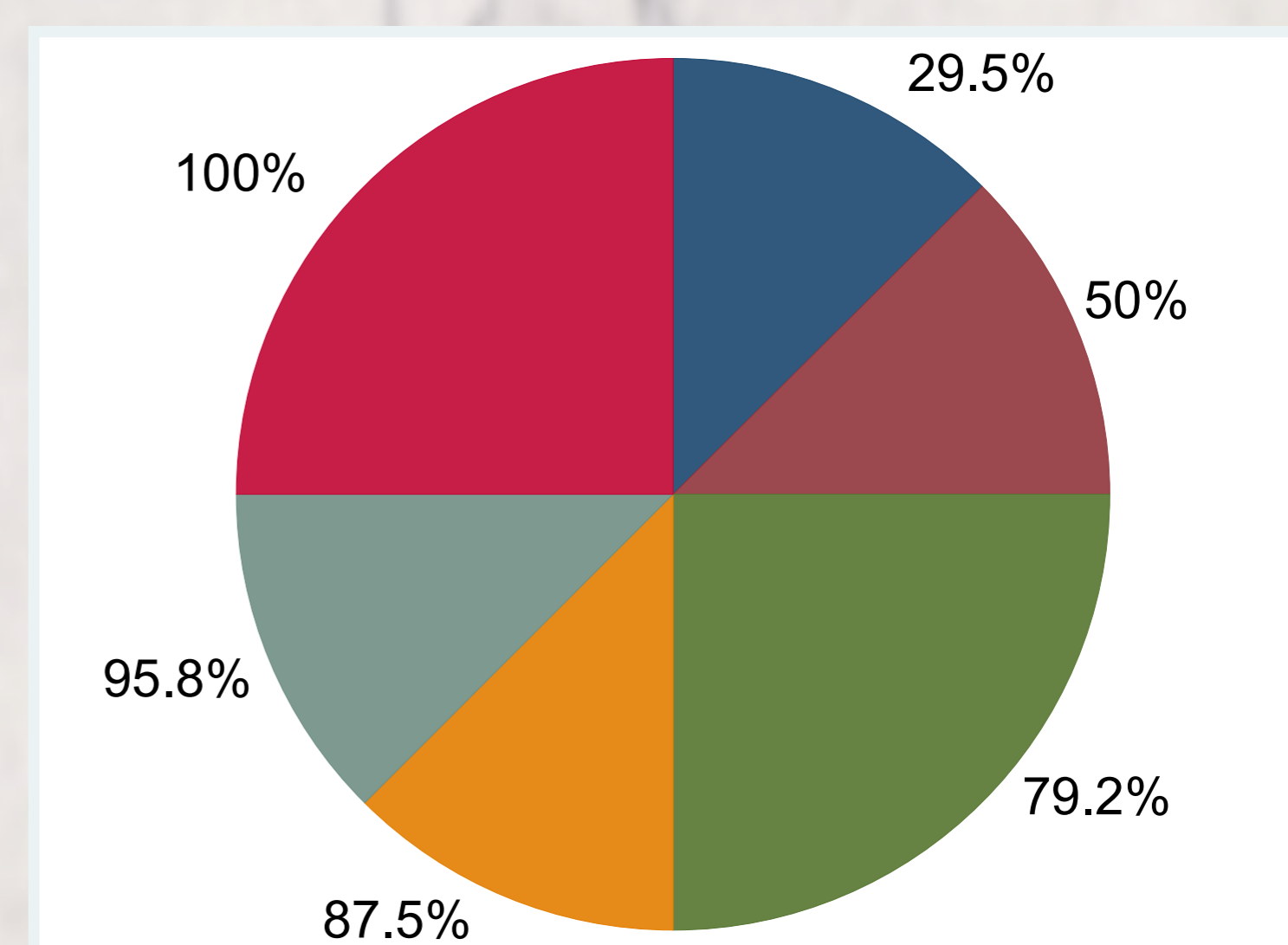
MAIN TYPES OF TRAUMATIC BRAIN INJURY

Patients and methods: TBI Patients admitted to the neuro-ICU of NOCSAE with age ≥ 14 years. Recruitment Period: Dec. 2015-Mar. 2016. Total number of patients recruited: 18. The outcome was investigated through a follow up by telephone interview to 3 months after admission, using GOS-E (Glasgow Outcome Scale-extended) and QOLIBRI (Quality of Life after Brain Injury).

Results: GOS-E results: 16.7% Death, 11.1% Vegetative State, 16.6% Severe Disability Lower Level, 5.56% Severe Disability Upper Level, 5.56% Moderate Disability Lower Level, 5.56% Moderate Disability Upper Level, 16.7% Good Recovery Lower Level, 22.2% Good Recovery Upper Level. We obtained QOLIBRI from only 8 patients with an average of 77.6%, with positive trend.

GOS-E	females	males	TOTAL(%)
Death	1	2	3 (16.7%)
Vegetative state	1	1	2 (11.1%)
SDLL	1	2	3 (16.6%)
SDUL	1	0	1 (5.56%)
MDLL	1	0	1 (5.56%)
MDUL	0	1	1 (5.56%)
GRLL	1	2	3 (16.7%)
GRUL	1	3	4 (22.2%)
TOT	7	11	18

GOS-E RESULTS



QOLIBRI RESULTS

Limits: Short period of time of the study, 4 months, and the number of the sample analyzed.

Conclusions: Every ICU need a follow-up service to determine the most effective clinical interventions in the field, identify best practices in TBI patient management know the residuals disabilities TBI related.

EVEN OUR PATIENTS NEED A FOLLOW UP!!!