Impact of traumatic brain injury on the evolution of quality of life during the five years following a road accident

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Introduction.– There is a lack of research on the long-term outcome after traumatic brain injury (TBI) in France. Our study evaluated the impact of TBI on the quality of life (QoL) during the first five years following a road accident.

Methods.– A prospective study was carried out among 957 injured road accident victims, aged ≥16 years, and living in the Rhône Department, France. QoL was repeatedly measured at 1, 3, and 5 years related to the road accident using the brief version of the World Health Organization Quality of Life (WHOQOL-BREF). The raw score of the overall quality of life, general health facet, physical health, psychological, social relationships, and environment domains vary from 4 to 40; higher scores reflect better quality of life. All the analyses were performed using the hierarchical mixed models.

Results.– Overall, 22.7% of the injured road accident victims were categorized as TBI at inclusion. TBI was associated with the overall QoL and social relationships scores during the first five years following the road accident. We also found that some previous medical history were associated with the four domains of the WHOQOL-BREF, except the social relationships domain.

Conclusion.– Our results indicate a poorer QoL in subjects with TBI. This study also points out the necessity to take into account previous medical history of the patient in prognostic models after TBI.

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Repercussion on professional activity of post-concussion syndrome subsequent to a mild traumatic brain injury–prospective study over six months

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Goal.– Looking for the existence of repercussions on professional activity of a post-concussion syndrome subsequent to a mild traumatic brain injury.

Population and method.–
– Prospective descriptive study over six months;
– Inclusion specifications: victims of a mild traumatic brain injury (mTBI) according to the definition of WHO; admitted to Emergency; aged 18-62; exercising a professional activity;