

# PILOT score

To assess the Pediatric Intensity Level of Therapy (PILOT) score alone and in combination with [Emergency Department \(ED\) GCS](#) and [Rotterdam CT score](#) of initial head CT to predict [functional outcomes](#) in children with [traumatic brain injury \(TBI\)](#).

Children (n=108) aged 31months-15years with moderate to severe TBI were prospectively enrolled at two sites. The ability of PILOT, ED GCS, and Rotterdam scores to predict the 6-month Pediatric Injury Functional Outcome Scale (PIFOS) was evaluated using multivariable regression models with enrollment site, age, and sex as covariates.

PILOT total (sum) score was more predictive of PIFOS ( $R^2=0.23$ ) compared to mean ( $R^2 = 0.20$ ) or peak daily PILOT scores ( $R^2=0.11$ ). PILOT total score predicted PIFOS better than ED GCS ( $R^2=0.01$ ) or Rotterdam score ( $R^2=0.06$ ) and was similar to PILOT, ED GCS, and Rotterdam score combined. PILOT total score performed better in patients with intracranial pressure monitors (n=30,  $R^2=0.28$ , slope=0.30) than without (n=78,  $R^2=0.09$ , slope=0.36).

The PILOT score correlated moderately with functional outcome following TBI and outperformed other common predictors. PILOT may be a useful predictor or moderator of functional outcomes <sup>1)</sup>.

<sup>1)</sup>

Flaherty BF, Jackson ML, Cox CS Jr, Clark A, Ewing-Cobbs L, Holubkov R, Moore KR, Patel RP, Keenan HT. Ability of the PILOT score to predict 6-month functional outcome in pediatric patients with moderate-severe traumatic brain injury. J Pediatr Surg. 2019 Jul 8. pii: S0022-3468(19)30449-X. doi: 10.1016/j.jpedsurg.2019.06.022. [Epub ahead of print] PubMed PMID: 31327541.

From:

<https://neurosurgerywiki.com/wiki/> - **Neurosurgery Wiki**

Permanent link:

[https://neurosurgerywiki.com/wiki/doku.php?id=pilot\\_score](https://neurosurgerywiki.com/wiki/doku.php?id=pilot_score)

Last update: **2024/06/07 02:55**

