JSASS Sample

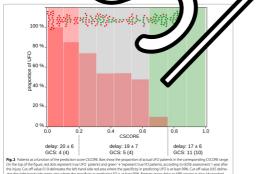
$OOOOに関する <math>\triangle \Delta \Delta \Delta \Delta \Delta$ の影響について -ccc + ccc + cccc + ccc + ccc + ccc + cccc + ccc + ccc + ccc + ccc

Keywords: Traumatic brain injury, Outcome, Prognosis, Difusion tensor imaging, Deep white matter

Purpose: A reliable tool for outcome prognostication severe traumatic brain injury (TBI) would improve intensive care unit (ICU) decision-makin process by providing objective information to caregivers and family. This study aimed at design classification score based on magnetic e a resonance (MR) difusion metrics measured atter between day 7 and day 35 after W/TITE TBI to predict 1-year clinical outcome. Methods: Two multicenter cohorts (29 cent Nit into MRICOM COMA cohort (NCT00577954) was rain (50 patients enrolled between 2006 a 2014) and L -COMA-Test (140 patients followed up in c 014) subtine cohorts. These latter pation were 56 ICU patients

(enrolled from 2014 2020) TER-TBI cohort .0 (NCT02210221). Patier mised depending on their were dichd d (GOSE) score: GOSE 1-1-year Glasgow of con me (UFO); 3, unfavorable ou 4–8, favorable outcom ctor class incorporating fractiona (FO). A support anisotropy and mean fusi easured in deep white ury was developed to predic and age at the time of the patients would be e er UFO or FO.

Results: The model achieved an area under the ROC curve of 0.93 on MRI-COMA-Train ing dataset, and 49% sensitivity for 96.8% sp rifc predicting UFO and 58.5% insitivity for .19 specifcity in predicting F0 on the molec COMA-Test and CENTER-TB on the molec



Conclusion: The model successfully identifed, with a specificity compatible with a personalized decisionmaking process in ICU, one in two patients who had an unfavorable outcome at 1 year after the injury, and two-thirds of the patients who experienced a favorable outcome.

GOSE 3