

BIOMÉRIEUX

VIDAS[®] TBI (GFAP, UCH-L1)

A GAME CHANGER FOR mTBI* PATIENT EVALUATION

DOES YOUR PATIENT REALLY
NEED A HEAD CT SCAN?



GFAP
UCH-L1

*Mild Traumatic Brain Injury

PIONEERING DIAGNOSTICS

Did you know?



> 80%
of **TRAUMATIC BRAIN INJURIES** are **MILD** (mTBI)^{1,2}

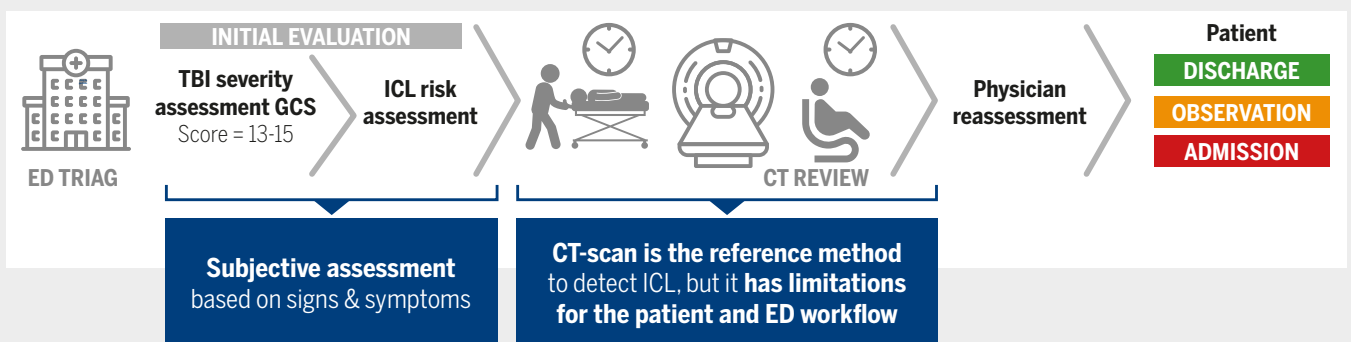


mTBI makes 10%
OF ED VISITS EACH YEAR³



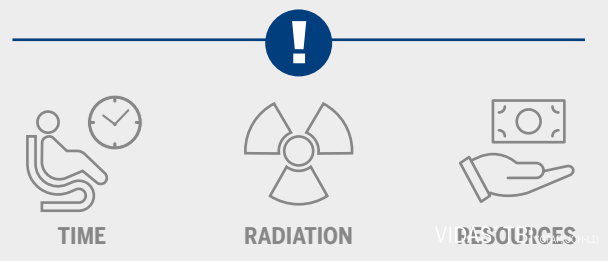
Not to miss intracranial lesions (ICL)
is a key clinical concern in mTBI patients⁴

Current mild TBI diagnostic workup
can be subjective and time consuming⁵



Significant numbers of ct scans
in mtbi could be avoided

> 90% of CT-scans
in mTBI patients **show no abnormalities**⁶



**WHAT IF YOU
COULD SHORTEN
THE TOTAL
WORKUP TIME FOR
YOUR MTBI PATIENTS?**

VIDAS® TBI (GFAP, UCH-L1)

HELPS YOU OBJECTIVELY DETERMINE
THE NEED FOR A CT-SCAN IN MTBI PATIENTS*

VIDAS® TRAUMATIC
BRAIN INJURY BIOMARKERS



GFAP



UCH-L1



Safely RULES-OUT intracranial lesions, CAN Reduce unnecessary CT-SCANS ⁷

HIGH SENSITIVITY

96.7%

HIGH NPV

99.5%

GOOD SPECIFICITY

41.2%

Discriminates more patients ⁵

- Time window for biomarkers dosage = **12h after mTBI**
- Patients with extracranial injuries can also be eligible for testing (included in the clinical trial)

EASY TO INTERPRET ⁵



POSITIVE

GFAP and/or UCH-L1 positive



NEGATIVE

Both GFAP and UCH-L1 negative

Negative interpretation of VIDAS® TBI test is associated with the absence of acute intracranial lesions on a head CT scan.

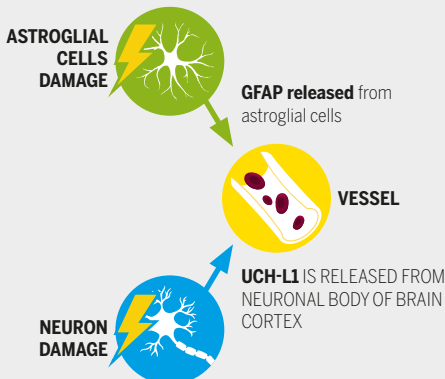


**YOU CAN AVOID UNNECESSARY CT SCANS
& DISCHARGE MTBI PATIENTS EARLIER.**

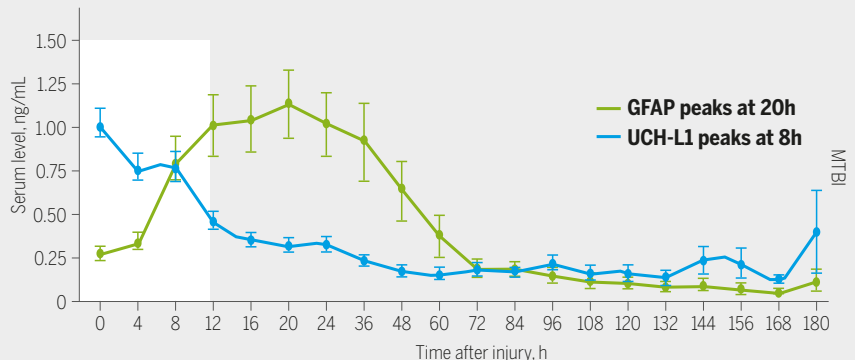


THE POWERFUL COMBINATION OF GFAP AND UCH-L1 PREDICTS THE ABSENCE OF INTRACRANIAL LESIONS

2 injury processes reflecting brain damage



Combination of biomarkers can be tested within 12h from injury



GFAP and UCH-L1 are blood-based brain biomarkers largely validated in mTBI patients:
evidence from 5 studies and clinical data for more than 3000 patients.



AVAILABLE ON VIDAS[®] 3 AND VIDAS[®] KUBE[™]

BECAUSE IT MAKES SENSE ON VIDAS[®]

High quality & cost effective diagnostic tests for rapid and safe patient triage

**Comprehensive
emergency
panel** on a single
instrument



24/7
On-demand
automated
testing



**Fast
& Simple
results**

**Easy to
perform**



**All-inclusive
kits**, limited
calibrations
and controls

VIDAS[®] TBI (GFAP, UCH-L1)

Reference	423615-30
Tests/kit	30 GFAP tests + 30 UCH-L1 tests 1 patient test = 1 GFAP + 1 UCH-L1 tests
Kit content	30 strips and 30 SPR of GFAP 30 strips and 30 SPR of UCH-L1 S1, C1
Time to result	39 min
Sample type	serum
Sample volume	2 x 200 µL
Calibration frequency	56 days
Cut-offs	GFAP = 22 pg/mL, UCH-L1 = 327 pg/mL

VIDAS Emergency & Critical care panel

BACTERIAL INFECTION	B•R•A•H•M•S PCT [™]
CARDIAC	NT-proBNP2
	Hs Troponin I
TRAUMATIC BRAIN INJURY	GFAP, UCH-L1
VENOUS THROMBO-EMBOLISM / COAGULATION	D-Dimer Exclusion [™] II
ACUTE KIDNEY INJURY	NEPHROCHECK [®]

VIDAS[®] TBI (GFAP, UCH-L1); Ref. 423615-30

Some of these reagents have not yet obtained regulatory clearance in some countries and some references may vary according to this country. Please contact your local bioMérieux representative for further information and product availability.

REFERENCES

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