INMED
PROGNOSTICS
Imagineering Better Health

NEUROShield™

CT Bleed

NEUROShield – CT Bleed

(Includes Intracranial Hemorrhage / Bleed)

Neurotrauma screening and quantification tool. NEUROShield: CT Bleed is a novel solution designed to assist neuro-critical teams in detecting and quantifying acute Intra cranial hemorrhages in Traumatic Brain Injury (TBI) cases.

SAMPLE NEUROSHIELD CT BLEED REPORT

NEUROShield™ CT Bleed Report

PATIENT NAME
99bcd1e3ca6c21c3fd03f0e28d294d039fb8d98ce271c764e4c05c11b626f26e345e3af20a6040397e04c98b072e87
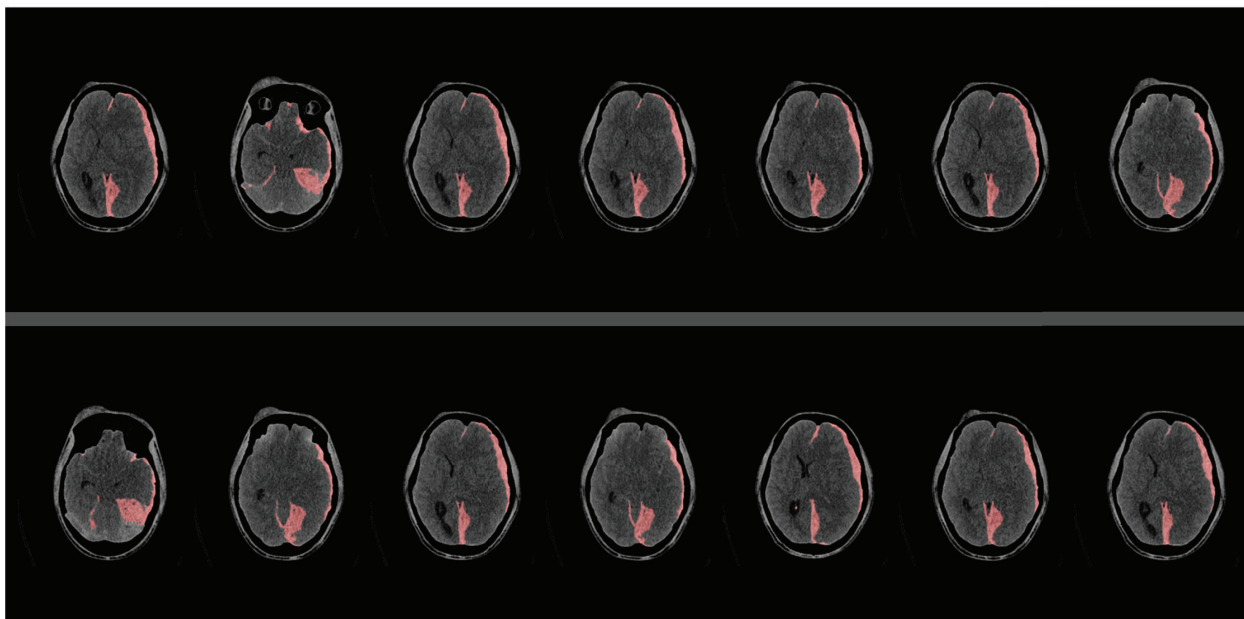
PATIENT ID	**SITE ID**	**AGE**	**SEX**
102247248	Abcxyz Diagnostics	16	F

REFERRING PHYSICIAN	**EXAM DATE**
Dr. Loremipsum Dolorsitem	Sep 08, 2022, 6:29 am

INJURY TYPE	PRESENCE	VOLUME (ml)
Hemorrhage	Present	64.04

ADDITIONAL ANALYSIS:

SIGNATURE

DISCLAIMER

- This is an automated generated analysis. Other significant abnormalities might be present.
- The analysis is completely dependent on image quality. Artifact protocol may affect the analysis.

NEUROShield™
CT Bleed

FEATURES

- Automated detection of Intracranial hemorrhages. Irrespective of the size and number.
- Notification system for triage management.
- Quantification of volume of every ICH.
- Focused feature - wise volumetric analysis.

BENEFITS

- Automated detection of the Intracranial hemorrhage from the CT scans
- Early alert and notification system to facilitate triage management
- Segmentation and volume measurement of ICH
- Advanced visualization of brain structure.

CLINICAL ADVANTAGES

NeuroShield: CT Bleed leverages the power of AI to fully automate CT image processing end to end and deliver highly accurate and reliable results.

It serves as your decision support tool, alerting the neurologists to the presence of intracranial hemorrhages and quantifying their volumes with precision.

Neuroshield: CT Bleed provides essential insights into intracranial hemorrhages and equips neurologists with the knowledge required for targeted interventions and improved patient outcomes.

WHAT CUSTOMERS SAY...

> "We are delighted to partner with In-Med prognostics in developing a solution for automatic reading of Head CTs in traumatic brain injuries. Using this solution, patients can be automatically triaged for review by a neurosurgeon and patients with normal scans can be discharged without intervention of radiologists or Neurosurgeons. This is a distinctive technology with the potential to transform emergency care across the world."

Dr Deepak Agrawal, Professor Neurosurgery, AIIMS Trauma Centre, New Delhi.

PUBLICATIONS

> "Automated intracranial hemorrhage detection in traumatic brain injury using 3D CNN."

Journal: Journal of Neurosciences in Rural Practices

> "Automated Detection of Intracranial Hemorrhage from Head CT Scans Applying Deep Learning Techniques in Traumatic Brain Injuries: A Comparative Review."

Journal: Indian Journal of Neurotrauma

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