YOU MEASURE

NeuroLight®

medtra™

Neurological Monitoring and Prognostication

BEYOND SIMPLE AND PRECISE
ROUTINE PUPIL CHECKS

idmed
an eye on your patient

NeuroLight is an Ideal Neurological Diagnostic Tool: Reliable, Accessible and Non-Invasive

Save time on routine examinations

- Simplify and objectify pupillary assessment
- Examiner-independent results
- Accurate measurements under all circumstances
- Follow-up between shift changes

Designed for daily practice

- Easy-to-use device
- Mobile and rechargeable
- Traceability and data transfer
- No proprietary consumables

Automative quantitative puppillometry

- Precise measurement of pupil size (miosis/mydriasis)
- Quantitative measurement of the PhotoMotor Reflex (qPLR)
- Detection of anisocoria
- Visualisation of trends for early change detection

Beyond pupil examinations

- Neurological diagnosis of critically ill patients1
- Monitoring after primary and secondary brain injuries2,3,8
- Prognosis after cardiac arrest4,5,6
- Non-invasive Intracranial Pressure Monitoring6,7
- Triage and Assessment Tool

NEUROLIGHT PUPILLARY ASSESSMENT

0% - 5%	5% - 20%	>20%
Non reactive/ «Fixed»	Abnormal / «Sluggish»	Normal / «Brisk»

qPLR in %
Pupil Constriction Ratio

1.Neurological examination of critically ill patients: a pragmatic approach. Report of an ESICM expert panel. Intensive Care Med. 2014 Sharshar T, Bruder NJ, Velly LJ et al.
2.Neurological Complications and Noninvasive Multimodal Neuromonitoring in Critically Ill Mechanically Ventilated COVID-19 Patients Denise Battaglini, Gregorio Santori, et al.
3.Consensus summary statement of the International Multidisciplinary Consensus Conference on Multimodality Monitoring in Neurocritical Care. Le Roux P, et al.
4.Automated quantitative pupillometry for the prognostication of coma after cardiac arrest. Suys T, Payen JF, et al.
5.Quantitative pupillometry and transcranial Doppler measurements in patients treated with hypothermia after cardiac arrest. Heimburger D, Payen JF et al.
6.Correlations Between Hourly Pupillometer Readings and Intracranial Pressure Values. for healthcare professionals from the Neurocritical. McNett M, et al.
7.Noninvasive Intracranial Pressure Monitoring for Severe Traumatic Brain Injury in Children: A Concise Update on Current Methods. 2018. Narayan V, et al.

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