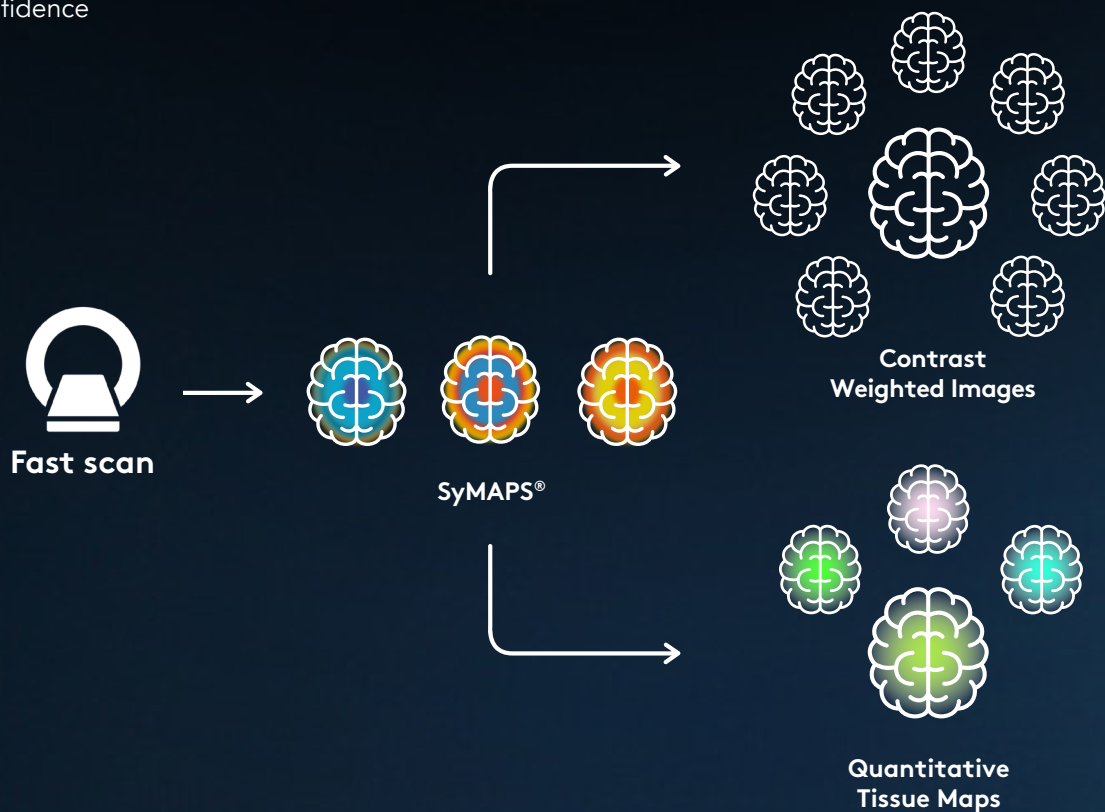


Confident care. Intelligent imaging.

## Expand your diagnostic confidence with **SyMRI NEURO**

SyMRI NEURO is designed to help you save valuable time by reducing scan time, all the while aiding as an objective decision support for diagnosis and patient follow-ups. In a single fast scan SyMRI NEURO offers a fast and standardized protocol with clinically relevant quantitative data for more robust assessments of patients.

- Automatic segmentation of tissue such as myelin volumes
- Robust quantification of white matter, gray matter, cerebrospinal fluid and brain parenchymal volume
- Data-driven diagnostic support
- Validate visual assessment and improve clinical confidence

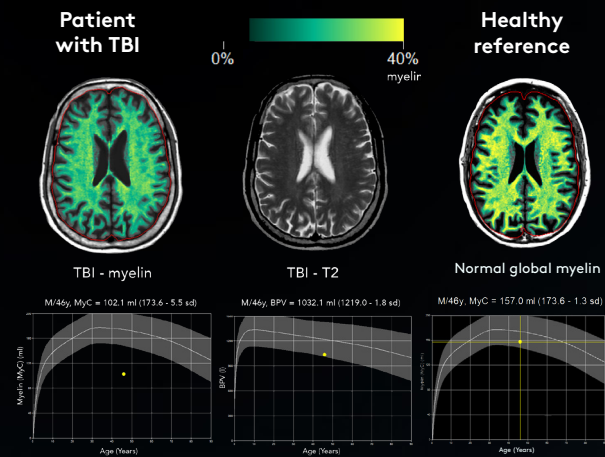


## Expand diagnostic confidence in TBI

A 46-year-old male with persistent headache following a concussion. There is global myelin loss in an otherwise normal-looking brain. When compared to normal global myelin, it is apparent that the amount of yellow (representing the highest myelin concentration) is substantially decreased.

The reference curve shows that this patient's myelin content is 5 standard deviations below the mean, suggestive of severe impairment.

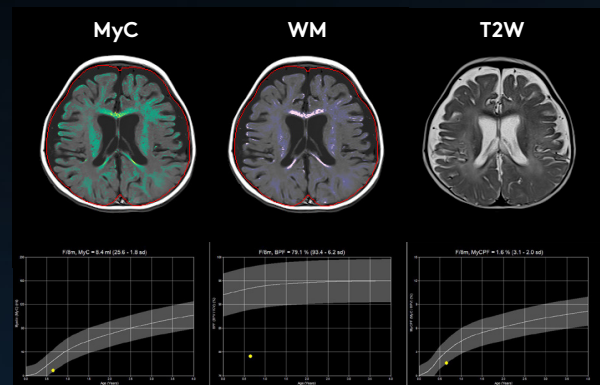
Source: Dr Lefkowitz, SimonMed Imaging, USA.



## Support your clinical confidence in pediatrics with quantitative data

An eight-month-old female child with a clinical diagnosis of developmental delay. The girl has microcephaly, esotropia and also an increased tone in both her upper and lower limbs with axial hypotonia. On the child's second day of life there was one episode of a neonatal seizure.

The diagnosis of periventricular leukomalacia due to perinatal hypoxia was given based on the MRI findings and with help of the SyMRI analysis. The diagnosis correlated clinically. SyMRI was used to show the level of severity of the condition.



Myelin content (MyC)	8.4 ml, [25.6-1.8 SD] below the mean
Brain parenchymal fraction (BPF)	79.1 %, [93.4-6.2 SD] below the mean
Myelin parenchymal fraction (MyCPF)	1.6 %, [3.1-2.0 SD] below the mean

Intracranial volume (ICV)	678.2 ml, [892.8-2.7 SD] below the mean
Brain parenchymal volume (BPV)	536.2 ml, [834.0-4.0 SD] below the mean
CSF volume	142.0 ml, [58.8+2.7 SD] above the mean

Source: Pratiksha Yadav, MBBS, M.D., Ph.D.  
Patil Medical College, Hospital and Research Centre, India.

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