

Enhanced diagnostic confidence in Neuro oncology

3D APT (Amide Proton Transfer) is a unique, contrast-free, brain MR imaging method addressing the need for more confident diagnosis in neuro oncology. Today, although MR is the gold standard in neuro oncology imaging, its accuracy in tumor grading and treatment follow up assessment can be further improved. 3D APT uses the presence of endogenous cellular proteins, to produce an MR signal that directly correlates with cell proliferation, a marker of tumoral activity. 3D APT can support trained medical professionals in differentiating low grade from high grade gliomas and, in differentiating tumor progression from treatment effect¹

3D APT

Field strength	3.0T with MultiTransmit 4D
Applications	Whole tumor coverage with a resolution of $2.0 \times 2.0 \times 5.0$ mm
Image contrast	Uses the presence of endogenous cellular proteins, to produce an MR signal that directly correlates with cell proliferation, a marker of tumoral activity and generates APT-weighted (APTw) images
Speed	APTw images are calculated automatically and displayed as color maps
Image quality	Uses an easy, dedicated and standardized acquisition and visualization



© 2017 Koninklijke Philips N.V. All rights reserved. Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. or their respective owners.



www.philips.com/mrclinicalapplications

4522 991 31351 * MAY 2018