



quantSynth

Parametric and synthetic MRI, simplified

● STANDALONE

● INSIDE OCULAR · RADIUM PRO

T1 · T2 · PD MAPS · SYNTHETIC CONTRASTS · TISSUE MAPS

Generate quantitative MR parametric maps and design custom contrasts from three standard MR sequences, using current or historic data. quantSynth solves tissue relaxometry in the browser, slice by slice and pixel by pixel.

Read more with less

Synthetic contrasts and tissue maps without re-scanning.

Retrospective

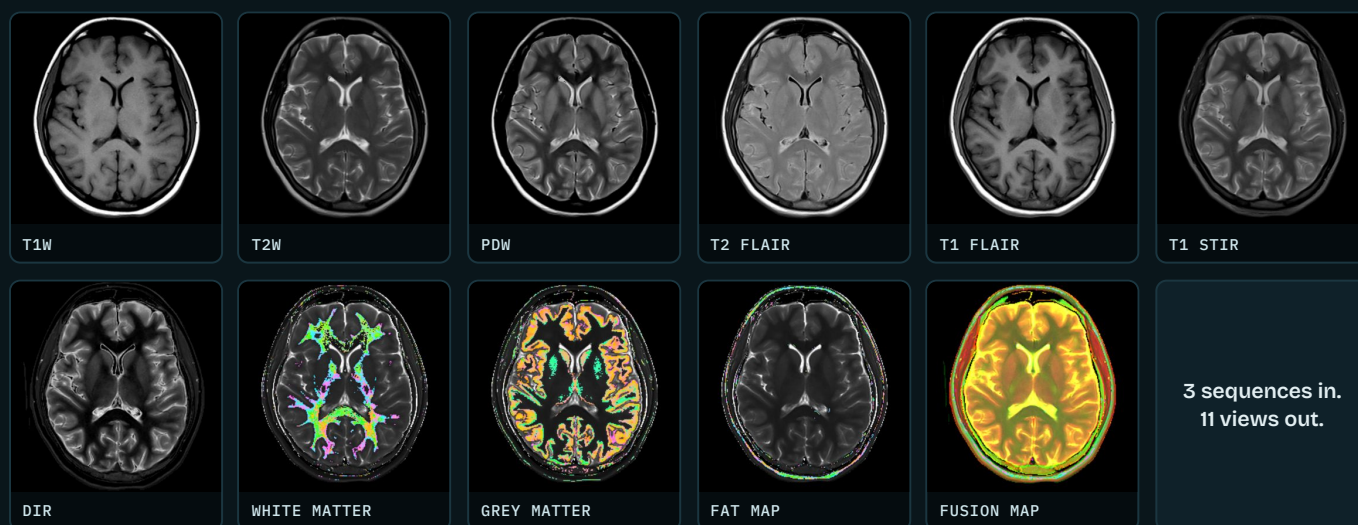
Works on studies already in your archive.

Agnostic

Processes images from scanners of different vendors.

ACQUIRE THREE SEQUENCES

Generate eleven views.



Synthesised contrasts and derived maps from one examination.

From three sequences to quantitative maps.

01 Acquire Three standard MR sequences, new or historic.	02 Solve A browser-based iterative algorithm estimates pixel-wise relaxation times.	03 Synthesise Generate maps and any contrast with custom TE, TR and TI.	04 Archive Derived series written back to PACS via STOW-RS.
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SPEED

Maps in under a second

Parametric maps are generated in under a second, in the browser.

PARAMETRIC MAPS

Quantitative T1, T2, PD

Plus a fusion map combining relaxation channels, and pixel-wise relaxation times.

TISSUE MAPS

Segment by signature

White matter, grey matter and fat maps, with custom T1 and T2 windows.

SYNTHETIC CONTRASTS

Any contrast out

T1w, T2w, PDw, T2 FLAIR, T1 FLAIR, T1 STIR and DIR, or design your own.

ANATOMY

Across anatomies*

Works across anatomies and body types. *Subject to acquisition.

RESEARCH

Tissue signatures

Quantitative maps provide a substrate for studying tissue signatures of pathology.

Availability

quantSynth is available as a standalone product and inside Ocular, the advanced viewer in Radium Pro.

Clinical use

Synthetic images are derived from acquired data. Confirm findings on the source images. quantSynth is a visualisation and quantification tool for trained professionals; it is not FDA-cleared.

Book a demo

See it on your own studies. We set up demos around the way your centre works.

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