



Ocular

Advanced diagnostic viewer

SHIPS WITH RADIUM PRO

ZERO-FOOTPRINT DICOM WORKSTATION • MPR • 3D • PET-CT • AI-ASSIST

Ocular is the zero-install, browser-native advanced viewer for deep CT, MR, angio and PET-CT reading, without a dedicated workstation. It has everything in Vidus, plus registered prior comparison, quantitative imaging and an integrated AI-assist suite.

Everything in Vidus

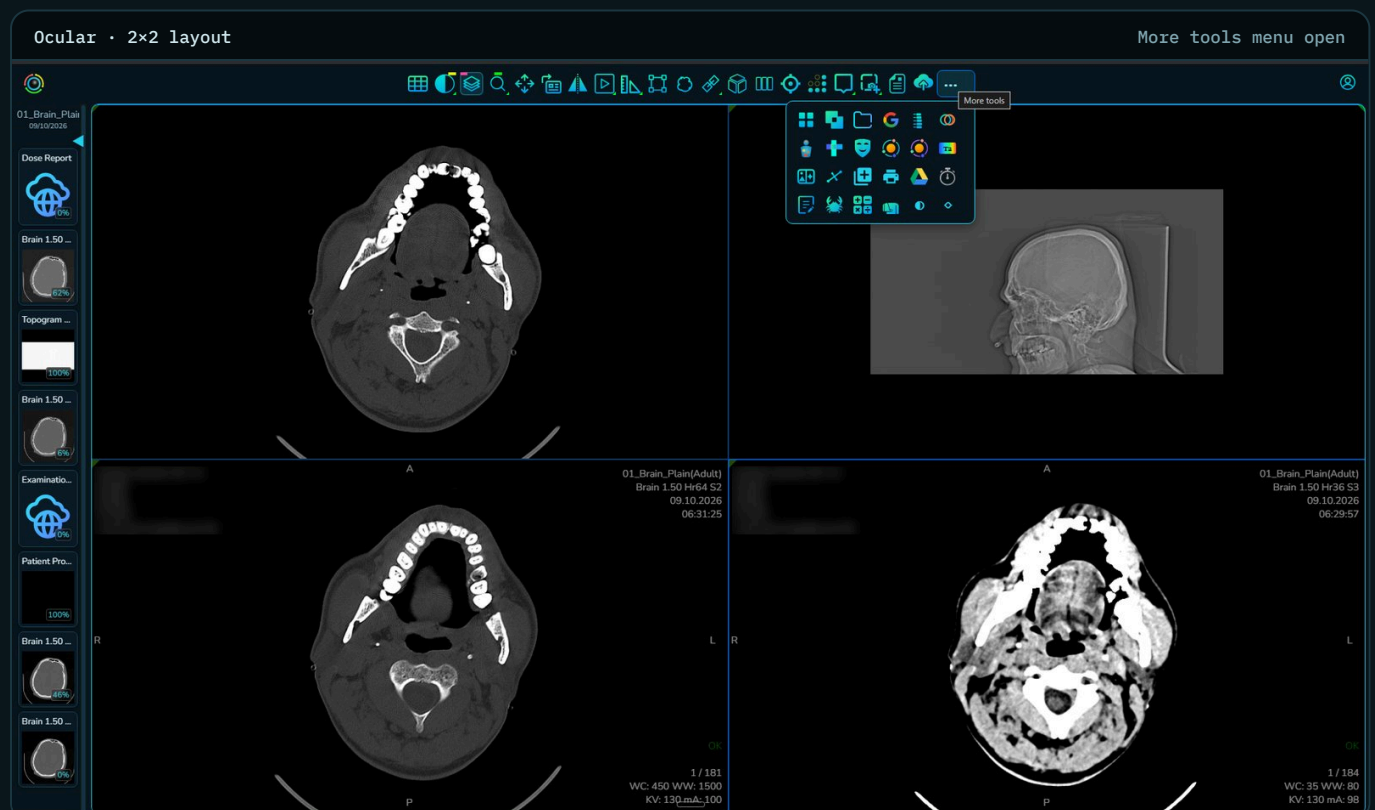
Every reconstruction, measurement and specialised tool.

Priors & PET-CT

Registered prior comparison, PET-CT fusion and SUV quantification.

AI-assist & quantSynth

20+ assist tools and synthetic MR relaxometry.



Ocular in a 2x2 layout with the extended tools menu open. Patient details blurred.

The starting point is the full Vidus toolset.

MPR / oblique

Thick-slab MIP · MinIP

3D volume rendering

Curved MPR · VesselIQ

Spine · DHI · Genant

Bone & couch removal

Cardio-thoracic ratio · Cobb

Full measurement & ROI suite

WHAT OCULAR ADDS

The reasons to step up to Radium Pro.

COMPARISON

Blink & registered priors

Automatic alignment of the current study against a prior across scanner, matrix and orientation. Overlay, blink and subtract, with diff, delta and max fusion, and true-HU difference even when slice counts differ.

IMAGE CLARITY

SoNaR

A real-time image-clarity filter. One click lifts the perceived signal-to-noise of noisy MR and CT, smoothing grain while keeping edges sharp. It runs live on the GPU and follows every scroll, zoom and window change; SoNaR+ is a stronger mode. It is non-destructive: the original pixels are never altered.

ASYMMETRY

Chronoscope

A mirror-blink comparator that alternates a slice with its midline-mirrored copy to bring out asymmetry.

NUCLEAR MEDICINE

3D PET & PET-CT registration

Volume rendering for PET, registered PET-CT fusion, SUV quantification and ROI-based uptake metrics, with configurable SUV thresholds and PET colour maps.

QUANTITATIVE IMAGING

quantSynth

Synthetic MR relaxometry: T1, T2 and PD maps and synthetic contrasts from standard sequences. Derived series are written back to PACS via STOW-RS, available to any DICOM system.

TWO-SERIES MATHS

Composite series

Difference, similarity, blend, delta, fusion, max, min and average across two series, plus multi-layer mask painting.

20+ radiologist-led assist tools.

AI-assist proposes a shortlist of possible findings for the radiologist to review and select. It saves time; it does not make a diagnosis. Inference runs on the workstation, with no GPU server pool to buy.

CARDIAC

- Coronary calcium (Agatston)
- Aortic-valve calcium
- CAD-RADS 2.0 worksheet
- Heart contour

NEURO & STROKE

- ASPECTS assist
- ICH volume assist
- Brain atrophy fractions
- White-matter lesions with Fazekas worksheet

CHEST

- Emphysema densitometry
- Lung nodules with Lung-RADS
- Pleural effusion measurement

ABDOMEN & PET

- Urinary stones on CT KUB
- L3 body composition
- Liver, spleen and pancreas steatosis indices
- PET SUV assessment

Regulatory status

The Ocular AI-assist tools, including urinary stones on CT KUB, are clinician-assistance and quantification tools. They are not FDA-cleared and are separate from AIRA, the only Aramis product with FDA 510(k) clearance. The radiologist confirms every finding.

READING

Fluid, fully in the browser

- Grids from 1×1 to 4×4, up to 16 series
- Augmented window presets: brain, stroke, SDH, temporal bone, lung
- Colour LUTs for PET and perfusion
- RAW DICOM, no server transcoding

INTO THE REPORT

Send in one click

- Marked-up view posted to the key-image inbox
- VidusNote inserts it at the cursor
- Capture to PNG, JPEG, WebP or AVIF

PERFORMANCE

Built for ordinary hardware

- Client-side rendering
- GPU-accelerated window/level
- Progressive loading of large volumes

Ocular ships with Radium Pro.

EDITION	VIEWER
Radium	Vidus, the web DICOM viewer
Radium Pro	Ocular, which includes everything in Vidus

CONNECTIVITY

- DICOMweb / PACS retrieval
- Local folder loading of DICOM files
- Launches from the Radium worklist via a signed token

REFERENCES

- TNM staging for 40+ cancers
- Radiology calculators
- AAST trauma grading

PRODUCTIVITY

- Consistent shortcuts across tools
- Notes panel
- Prior-study side-by-side comparison

At a glance

DELIVERY	Zero footprint, in a modern browser
LAYOUTS	1×1 to 4×4, up to 16 series
DECODERS	JPEG, JPEG 2000, lossless, RLE
RECONSTRUCTION	MPR, oblique, thick-slab, curved MPR, 3D VR
FUSION	PET-CT with SUV quantification
EXPORT	PNG, JPEG, WebP, AVIF; STOW-RS write-back
EDITION	Radium Pro

Clinical use

Confirm findings on the source images — reconstructions are visualisation aids. For use by trained healthcare professionals; the viewer supports clinical review and does not replace professional judgement.

Book a demo

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

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