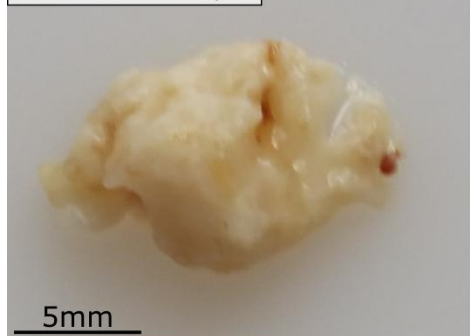


PFA-fixed sample

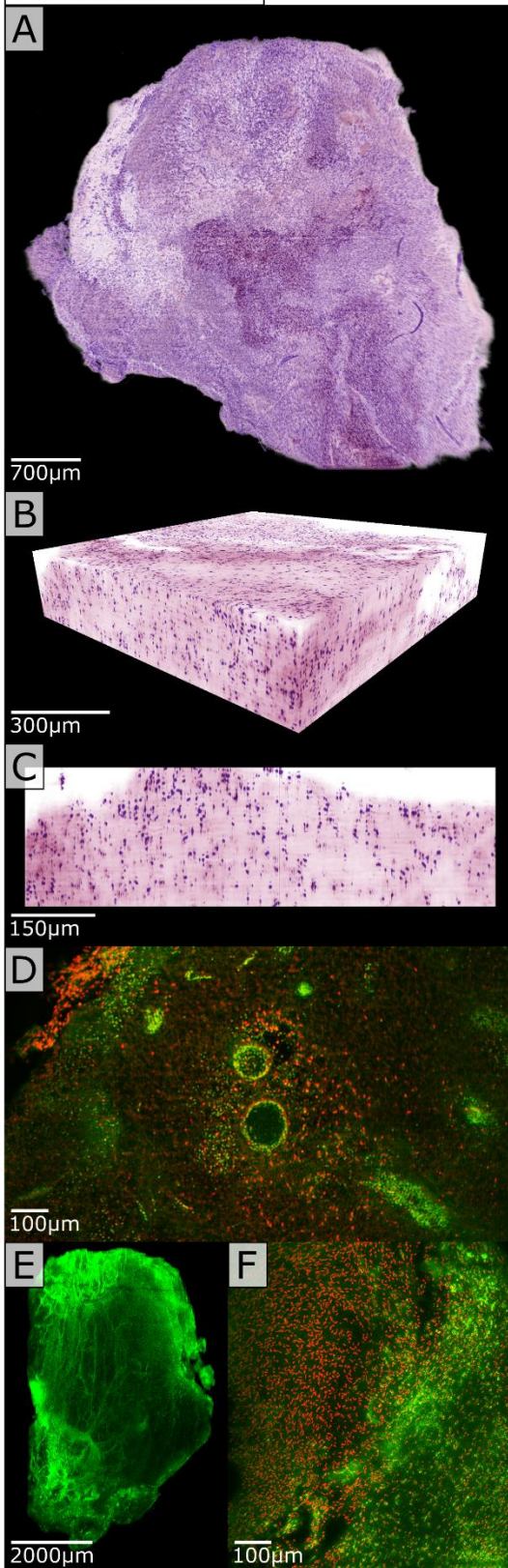


Specimen #1. Diagnosis: Glioblastoma (recurrent), WHO grade IV.

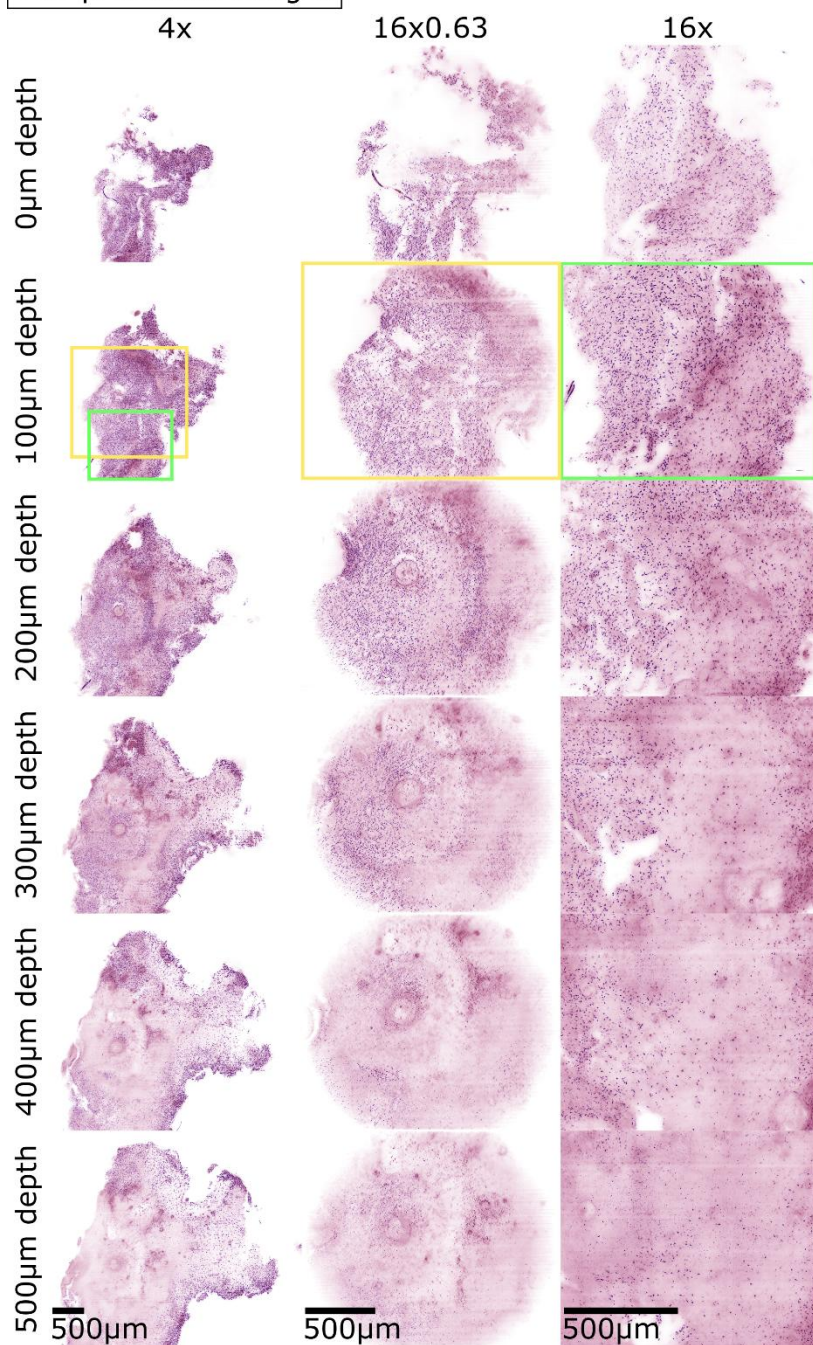
Bleaching: 2% H₂O₂.

Nuclear channel image processing: Rolling ball

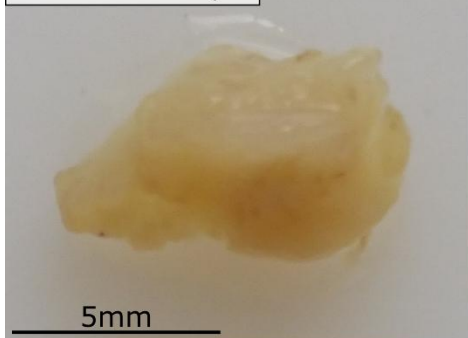
3D reconstruction



vHE processed images



PFA-fixed sample

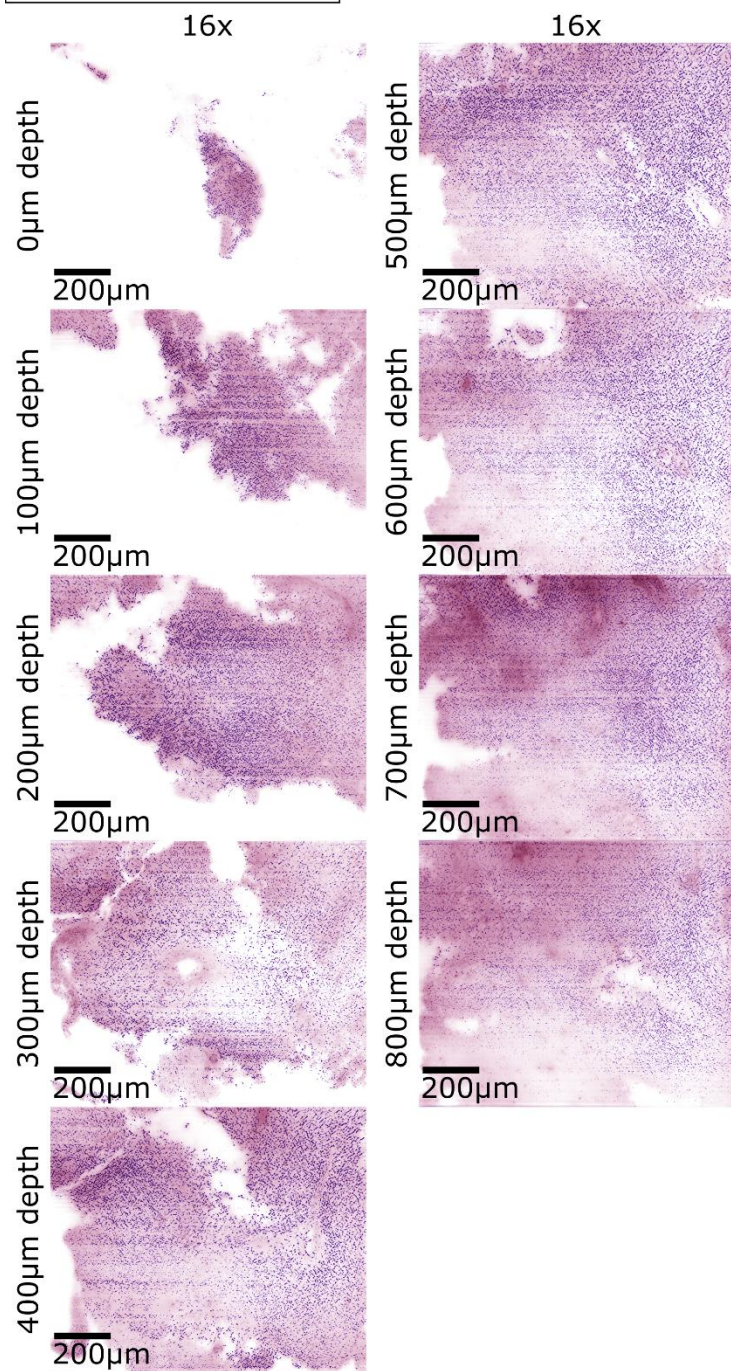


Specimen #2. Diagnosis: Glioblastoma, WHO grade IV.

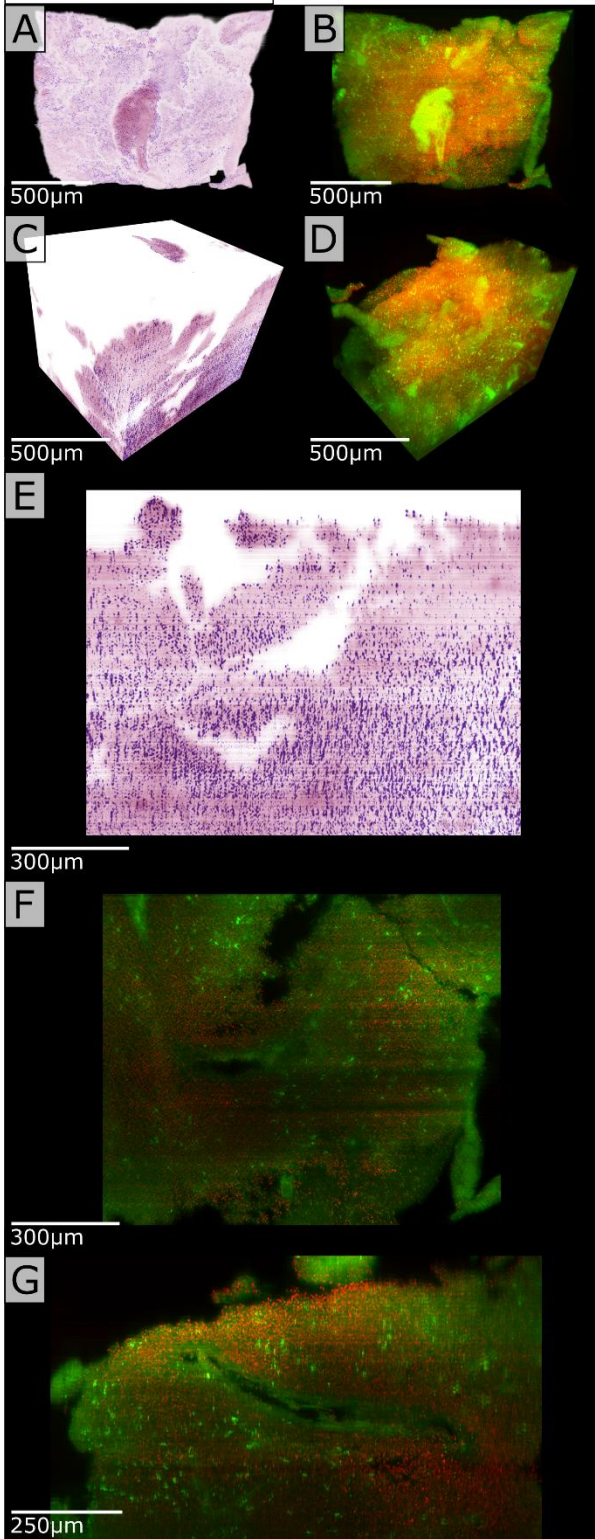
Bleaching: 2% H₂O₂.

Nuclear channel image processing: Rolling ball

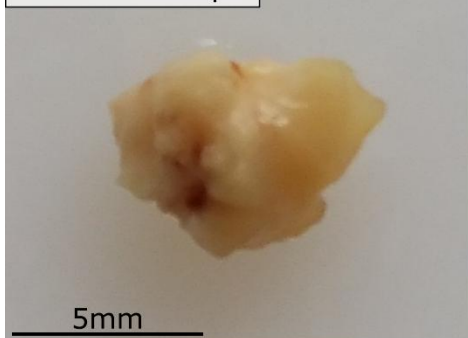
vHE processed images



3D reconstruction



PFA-fixed sample

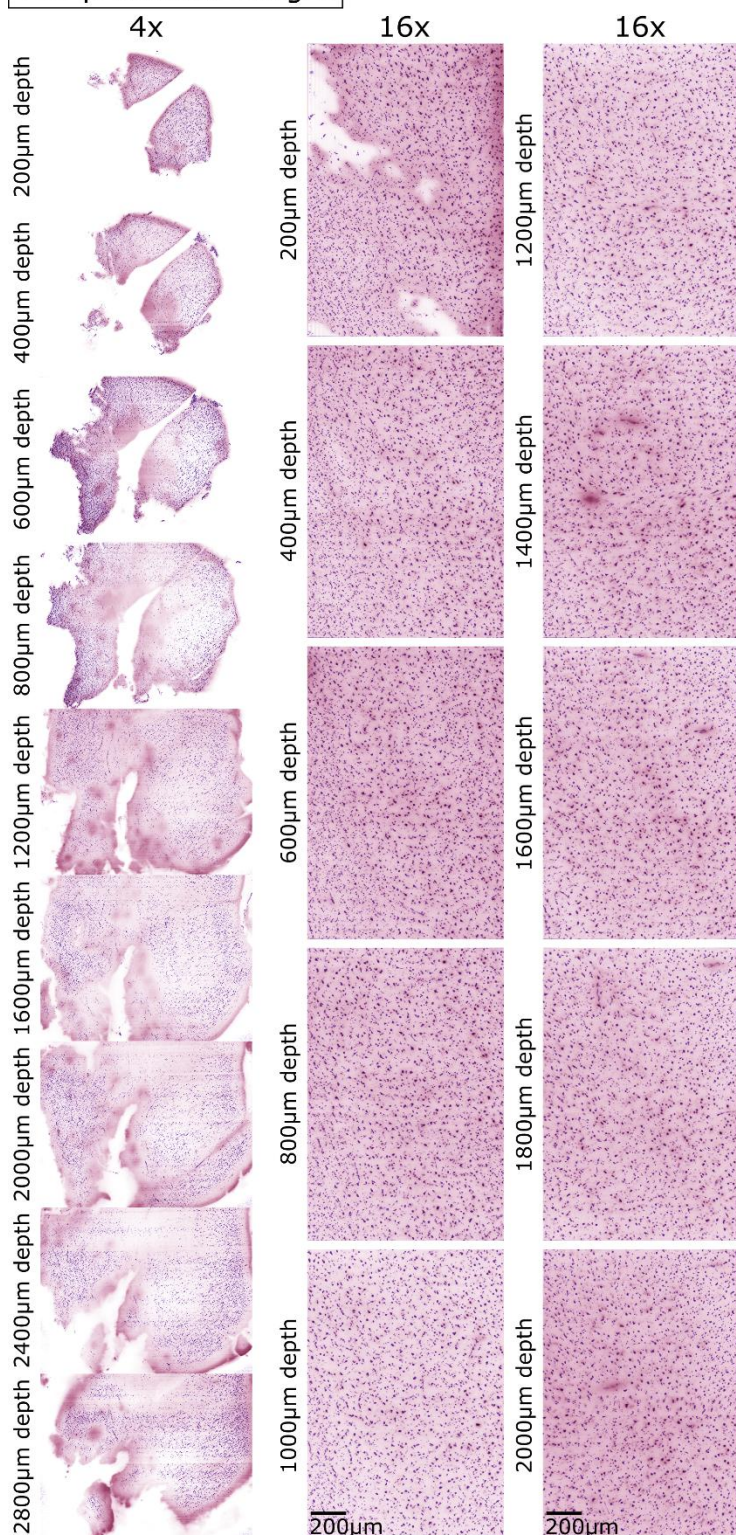


Specimen #3. Diagnosis: Glioblastoma, WHO grade IV.
Bleaching: 2% H₂O₂.

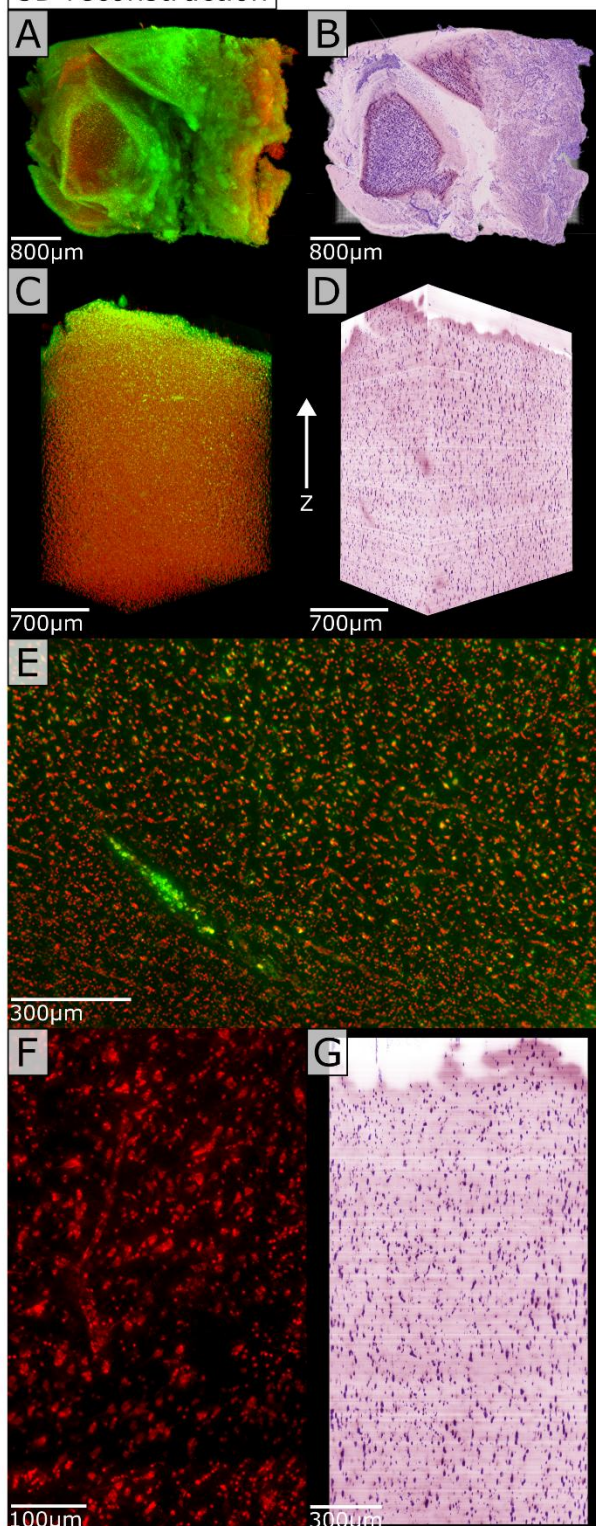
4x nuclear imaging performed with 638nm laser and 690nm LP emission filter.

Nuclear channel image processing: 4x 0-800μm depth - rolling ball; 4x 800μm+ depth - normalisation + bandpass filter; 16x - normalisation + bandpass filter

vHE processed images



3D reconstruction



PFA-fixed sample

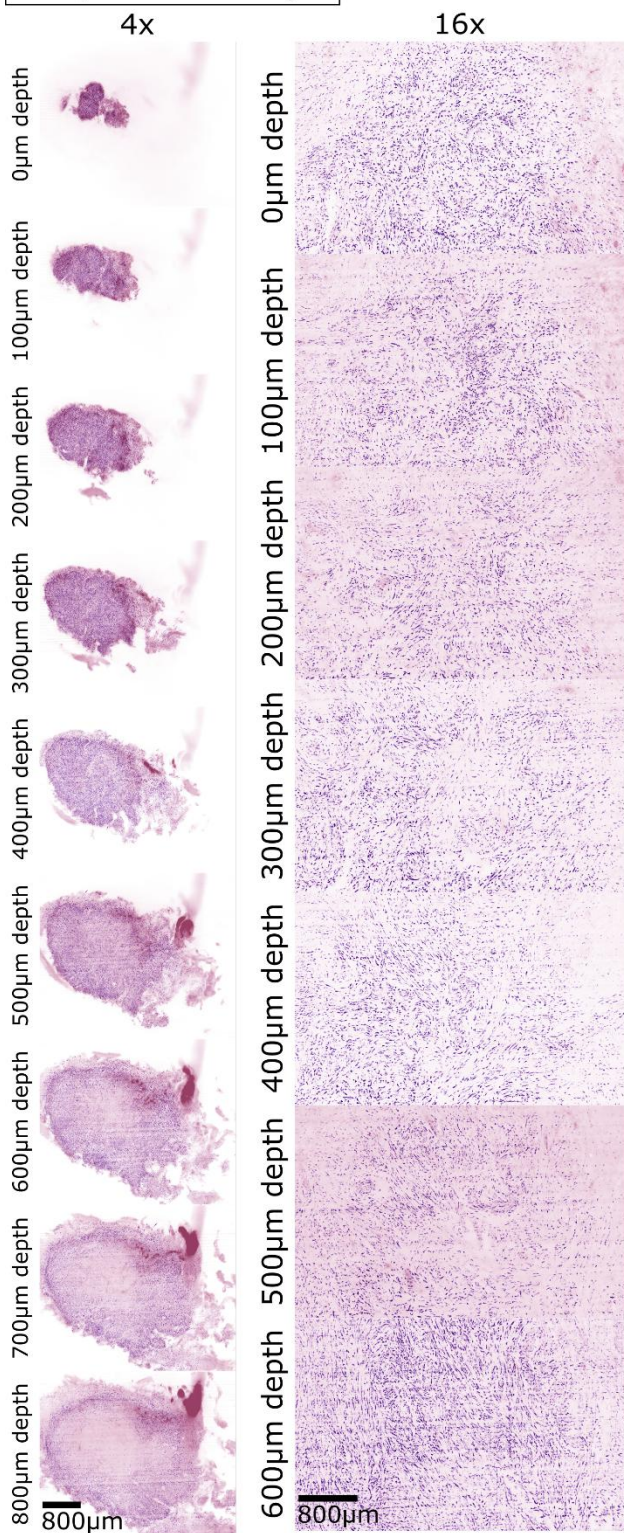


Specimen #4. Diagnosis: Glioblastoma, WHO grade IV.

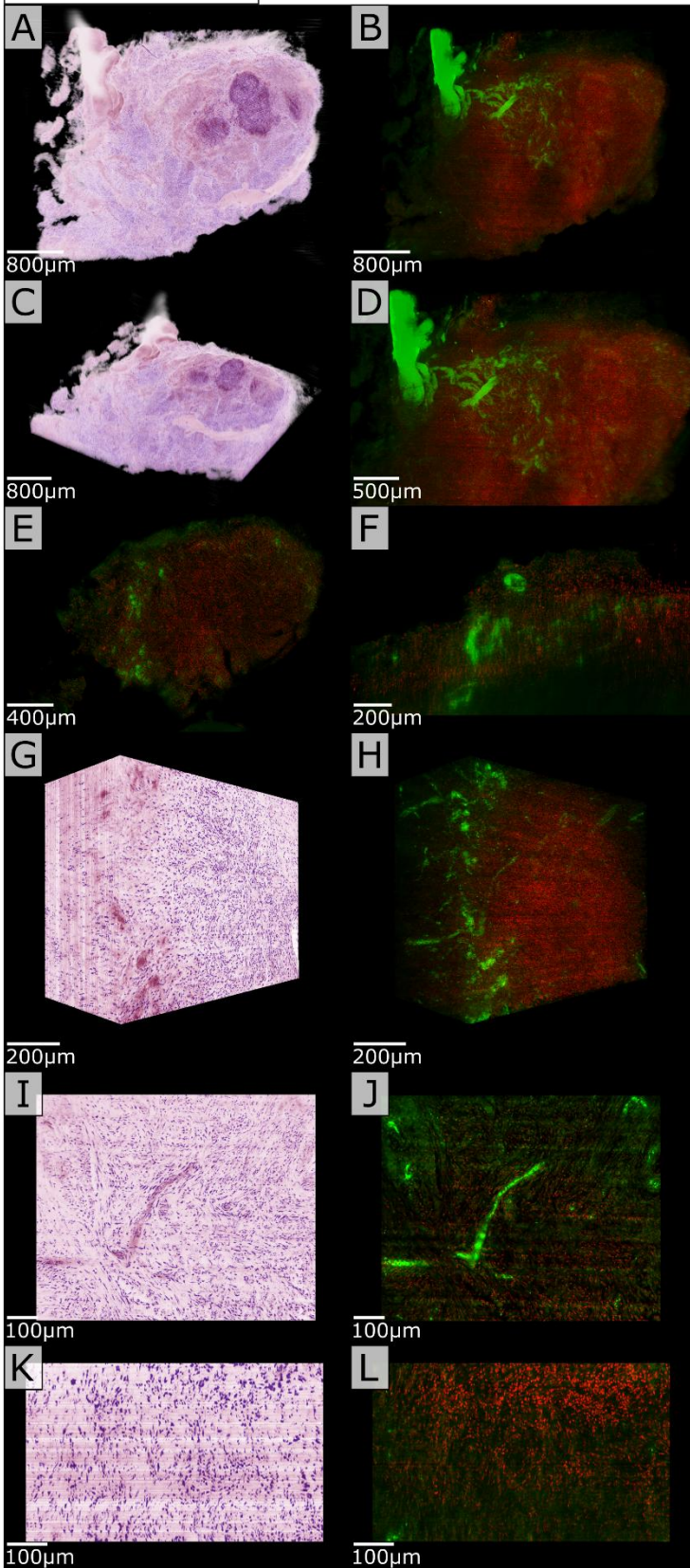
Bleaching: 5% H₂O₂.

Nuclear channel image processing: Rolling ball

vHE processed images



3D reconstruction



PFA-fixed sample

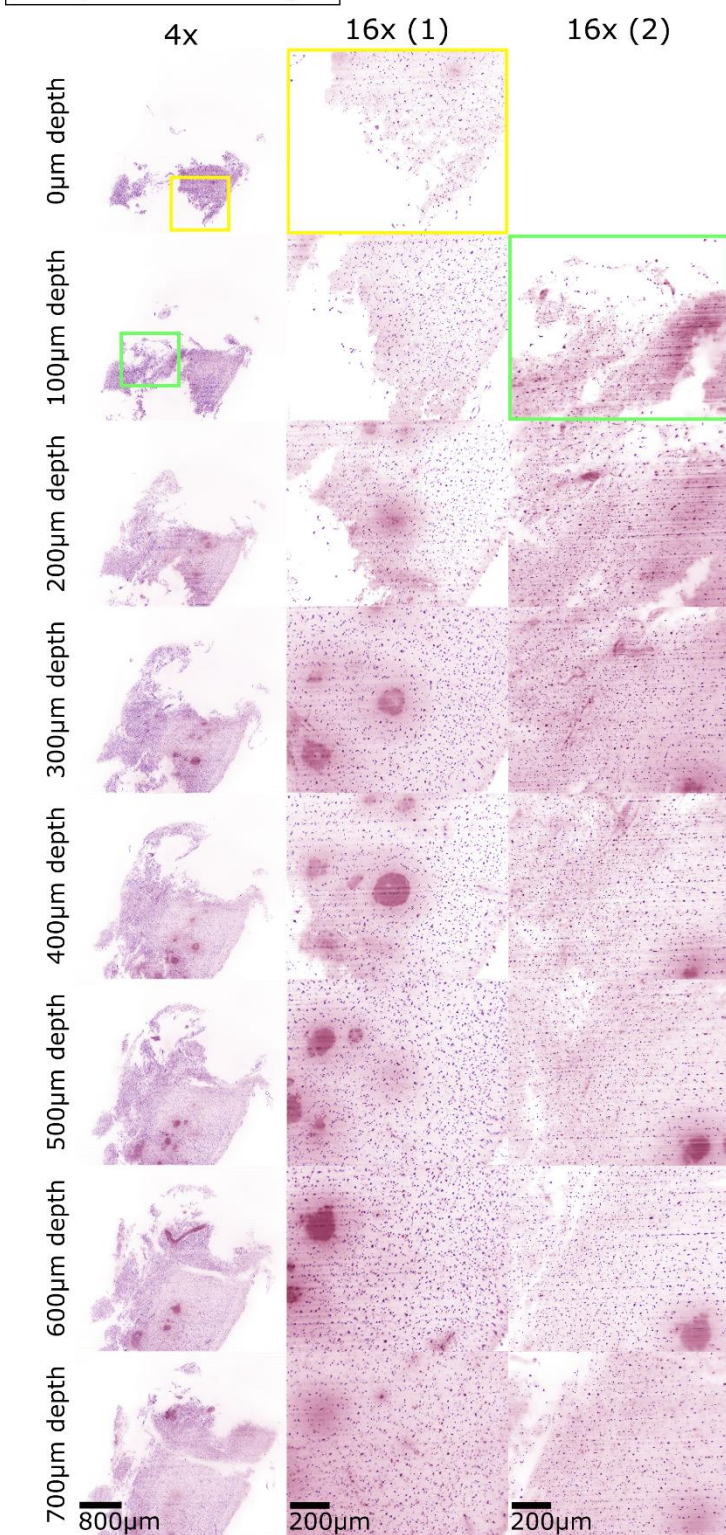


Specimen #5. Diagnosis: Glioblastoma (recurrent), WHO grade IV.

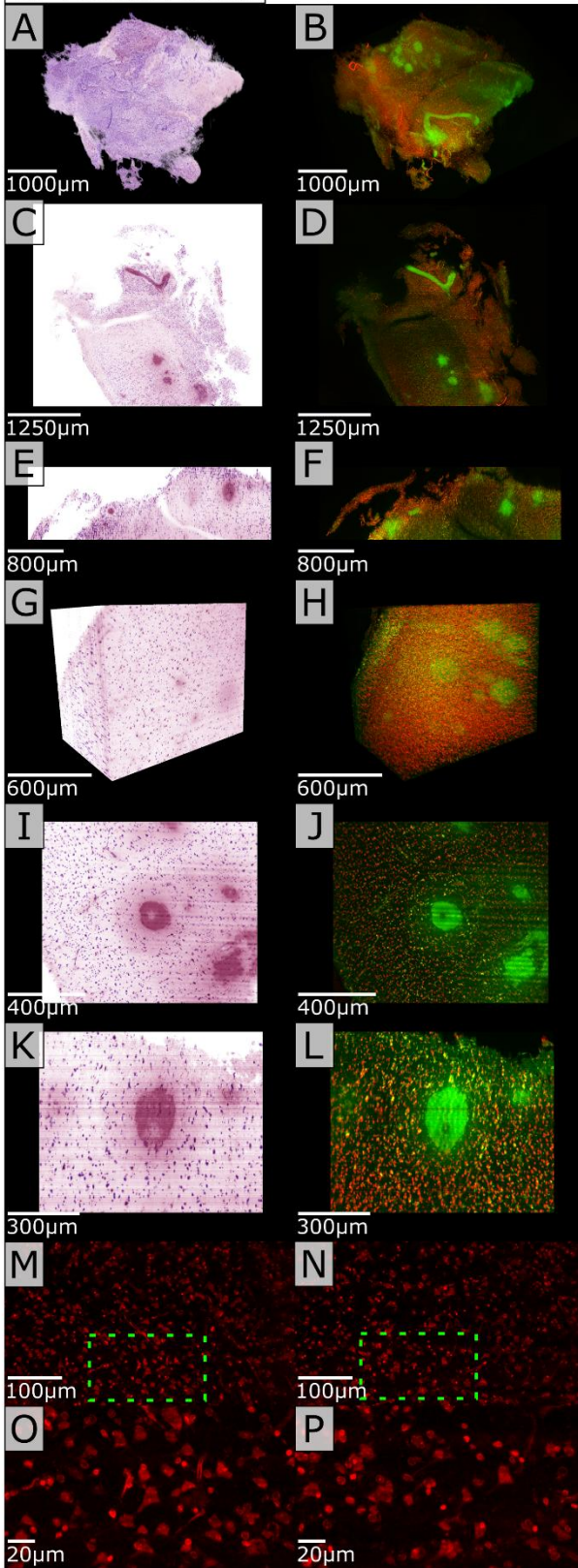
Bleaching: 5% H₂O₂.

Nuclear channel image processing: 4x - rolling ball; 16x - normalisation + bandpass filter

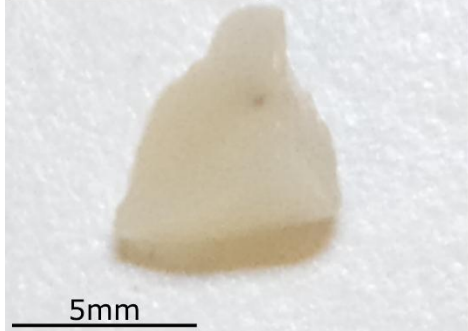
vHE processed images



3D reconstruction



PFA-fixed sample

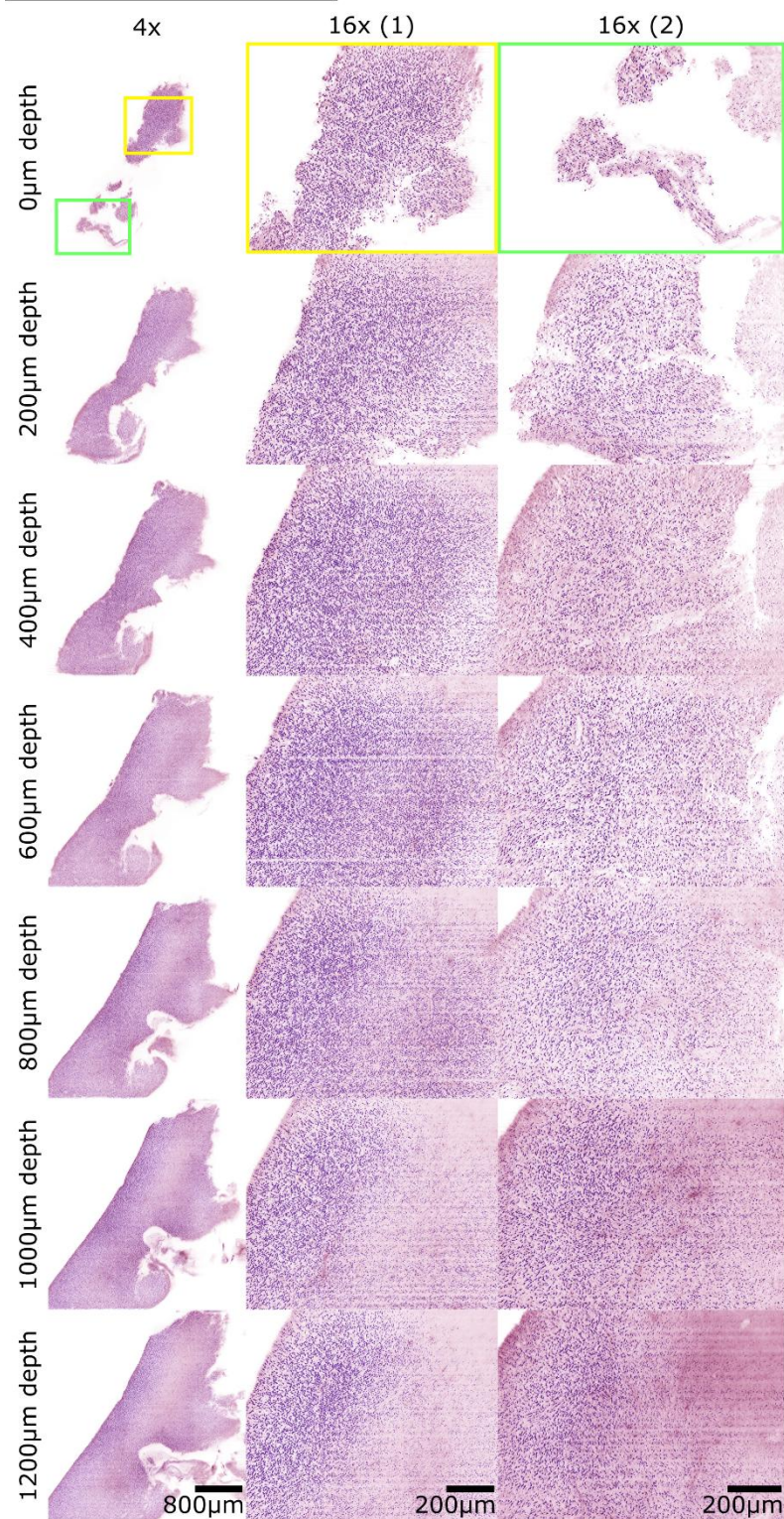


Specimen #6. Diagnosis: Glioblastoma, WHO grade IV.

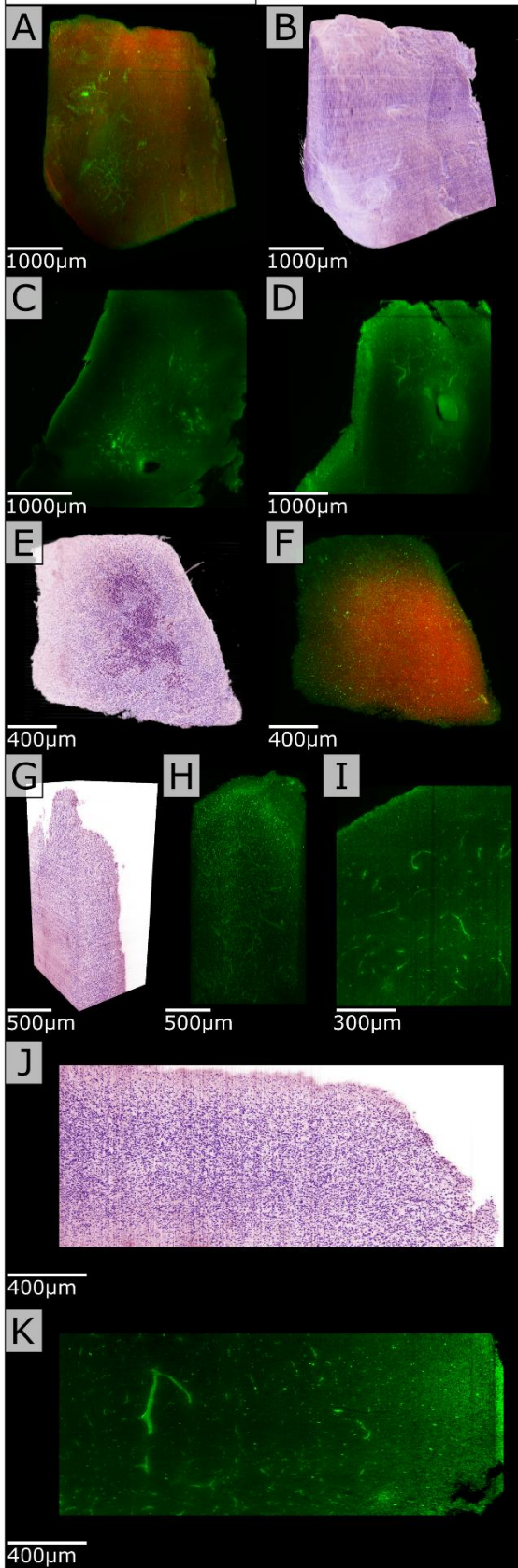
Bleaching: 5% H₂O₂.

Nuclear channel image processing: Rolling ball

vHE processed images



3D reconstruction



PFA-fixed sample

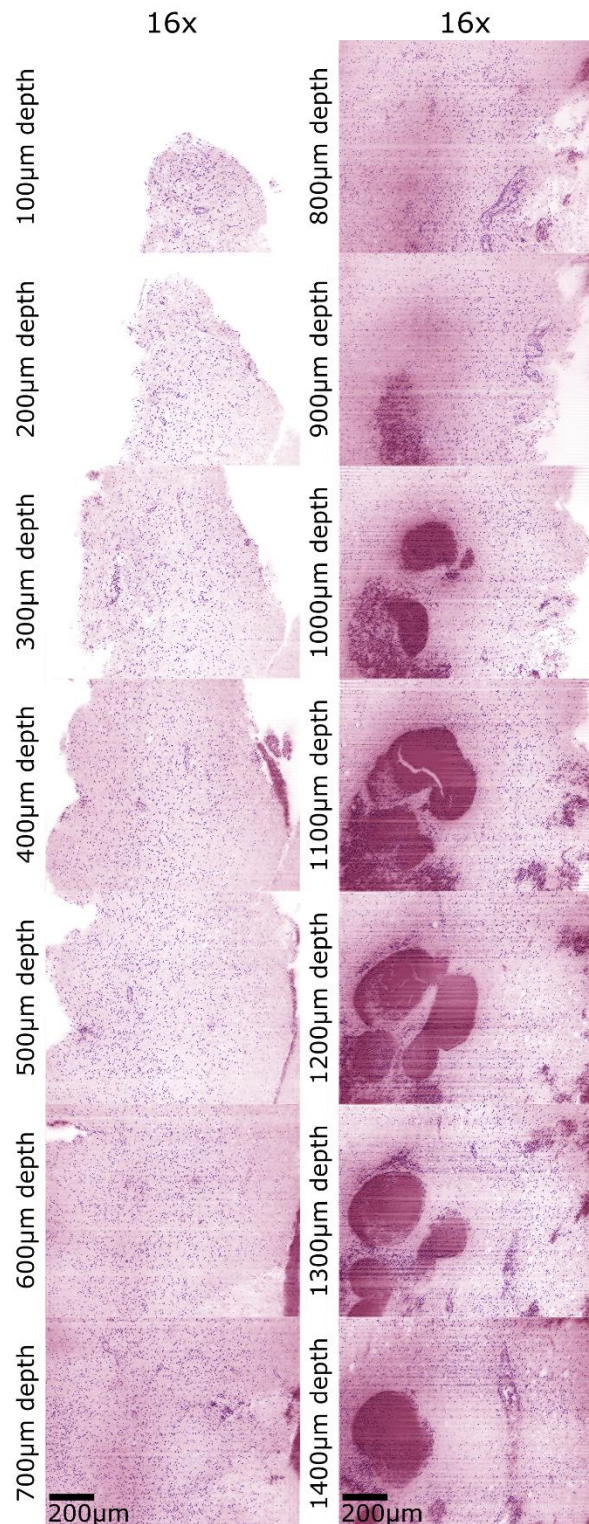


Specimen #7. Diagnosis: Glioblastoma (recurrent), WHO grade IV.

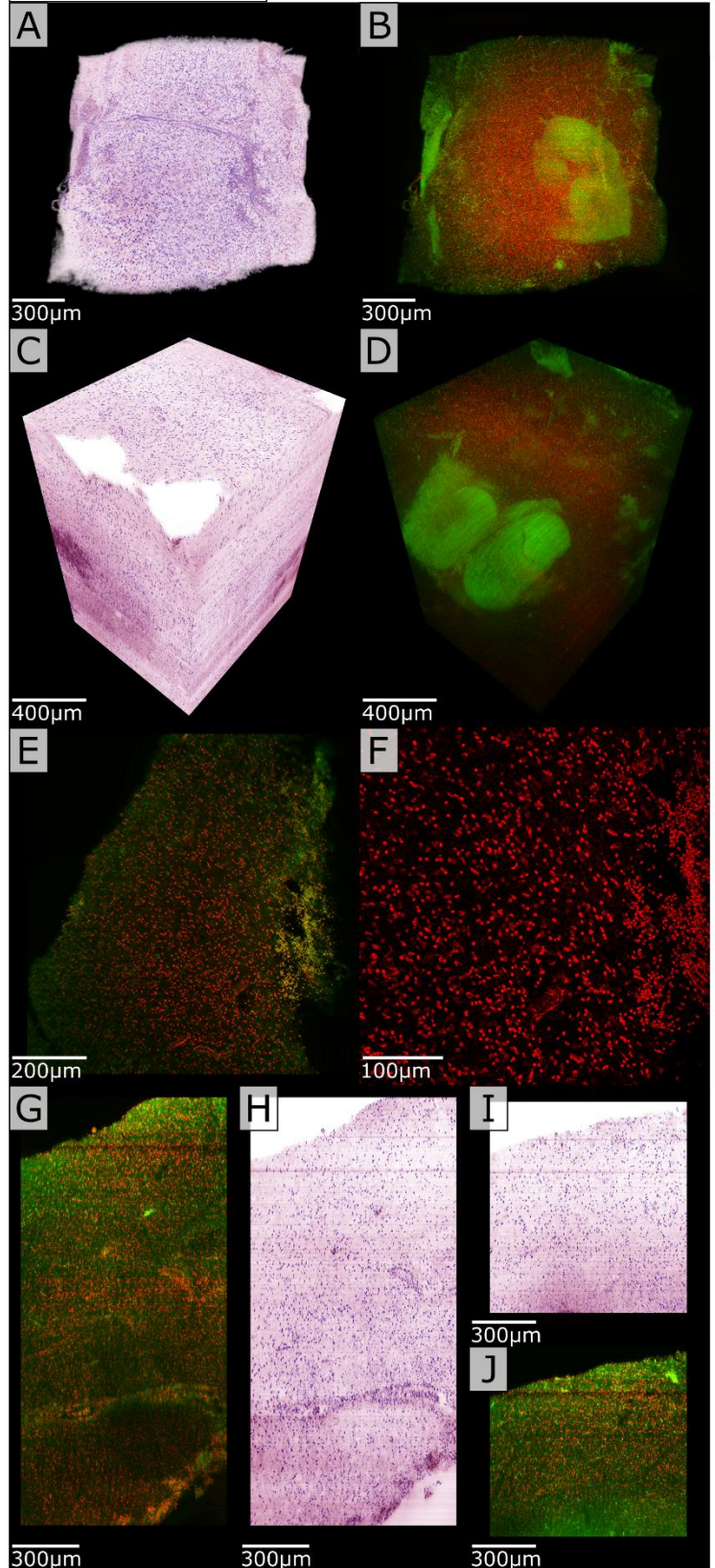
Bleaching: 5% H₂O₂.

Nuclear channel image processing: Rolling ball

vHE processed images



3D reconstruction



PFA-fixed sample

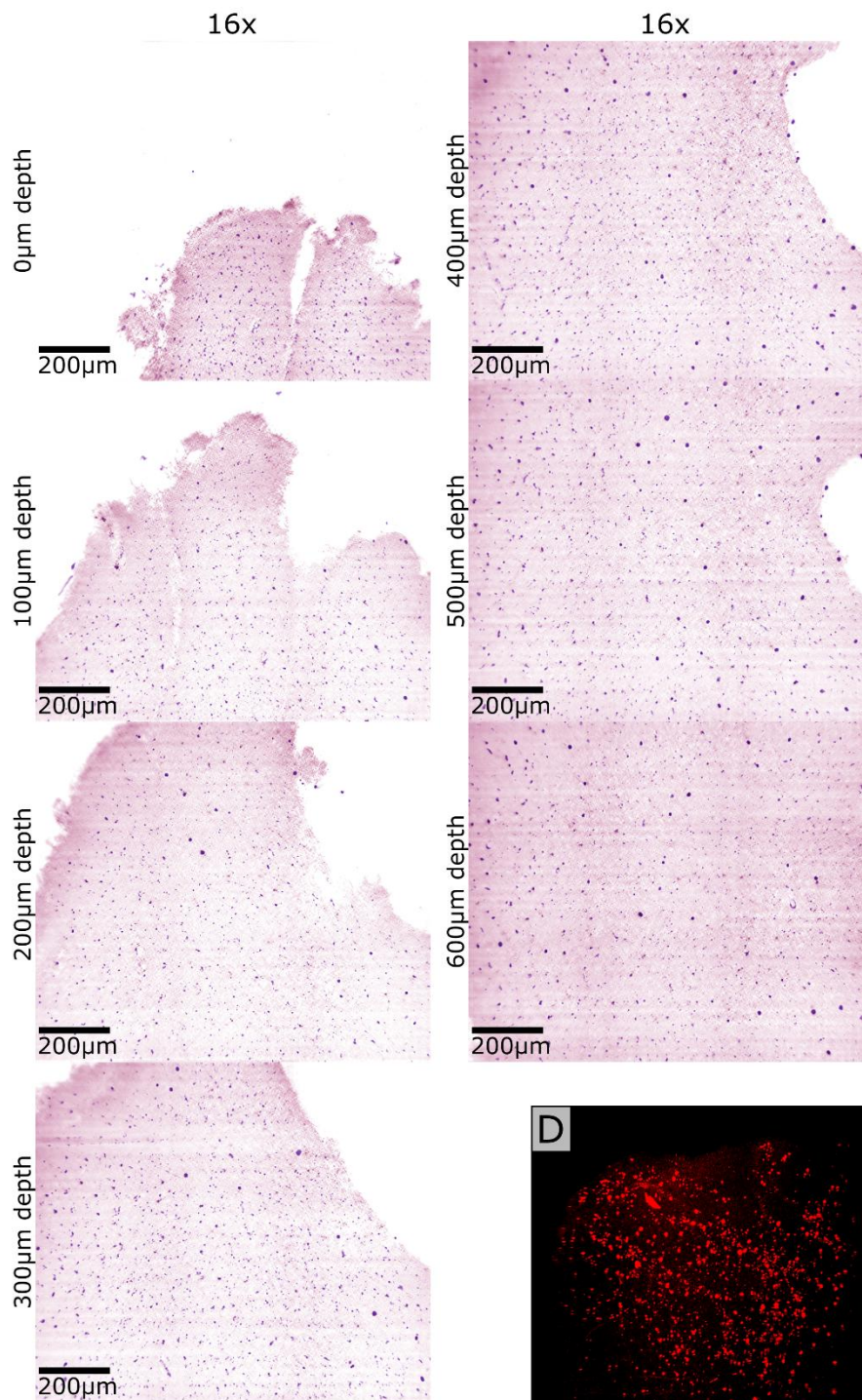


Specimen #8. Diagnosis: Focal anaplastic astrocytoma (recurrent), WHO grade III.

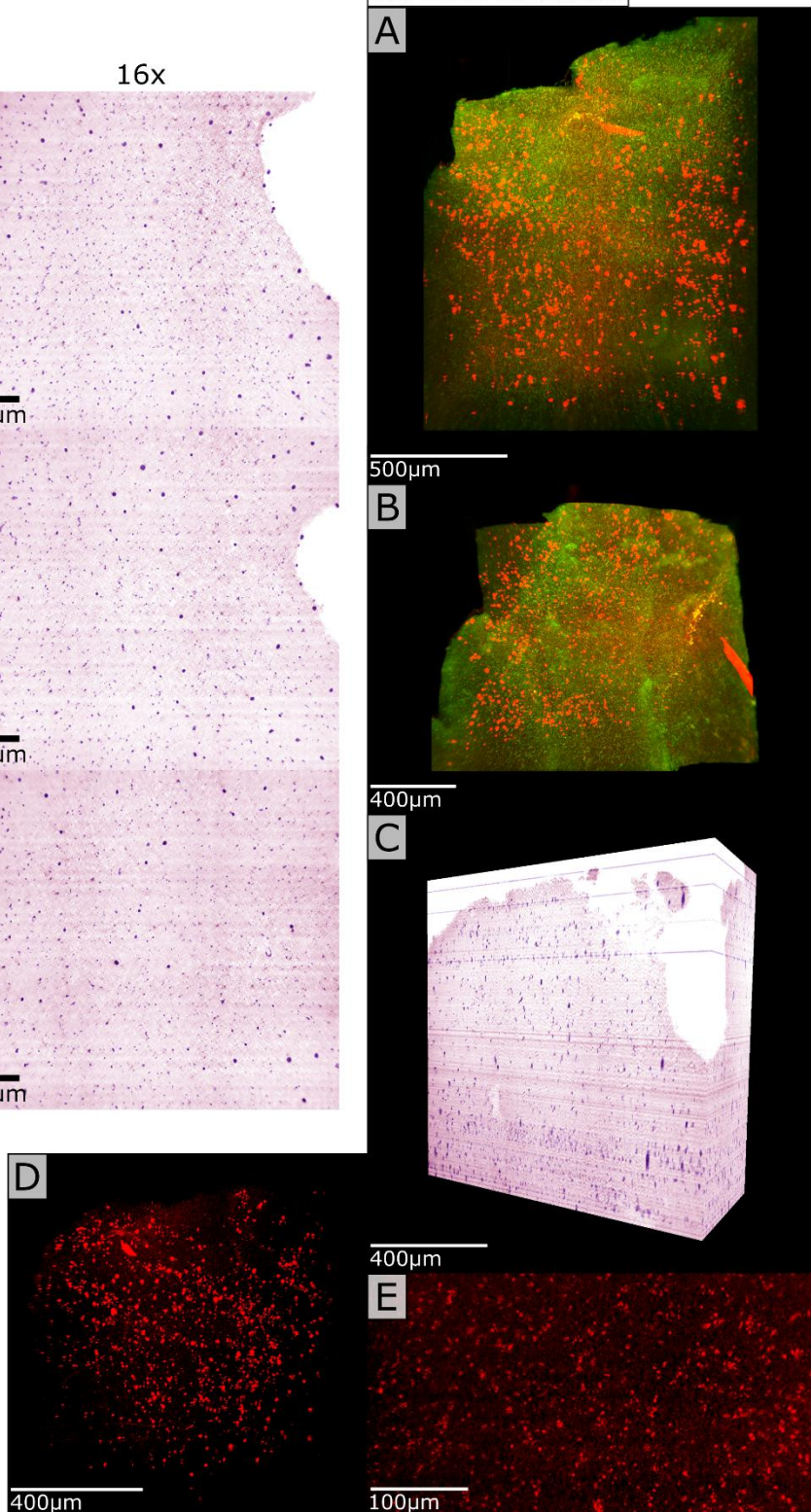
Bleaching: 5% H₂O₂.

Nuclear channel image processing: Normalisation + bandpass filter

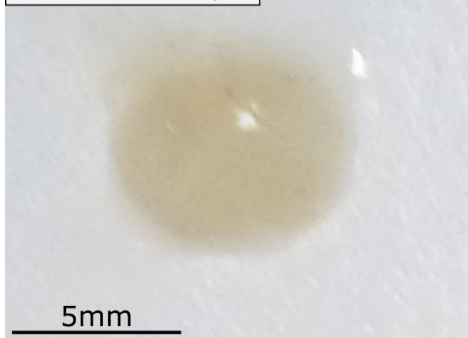
vHE processed images



3D reconstruction



PFA-fixed sample

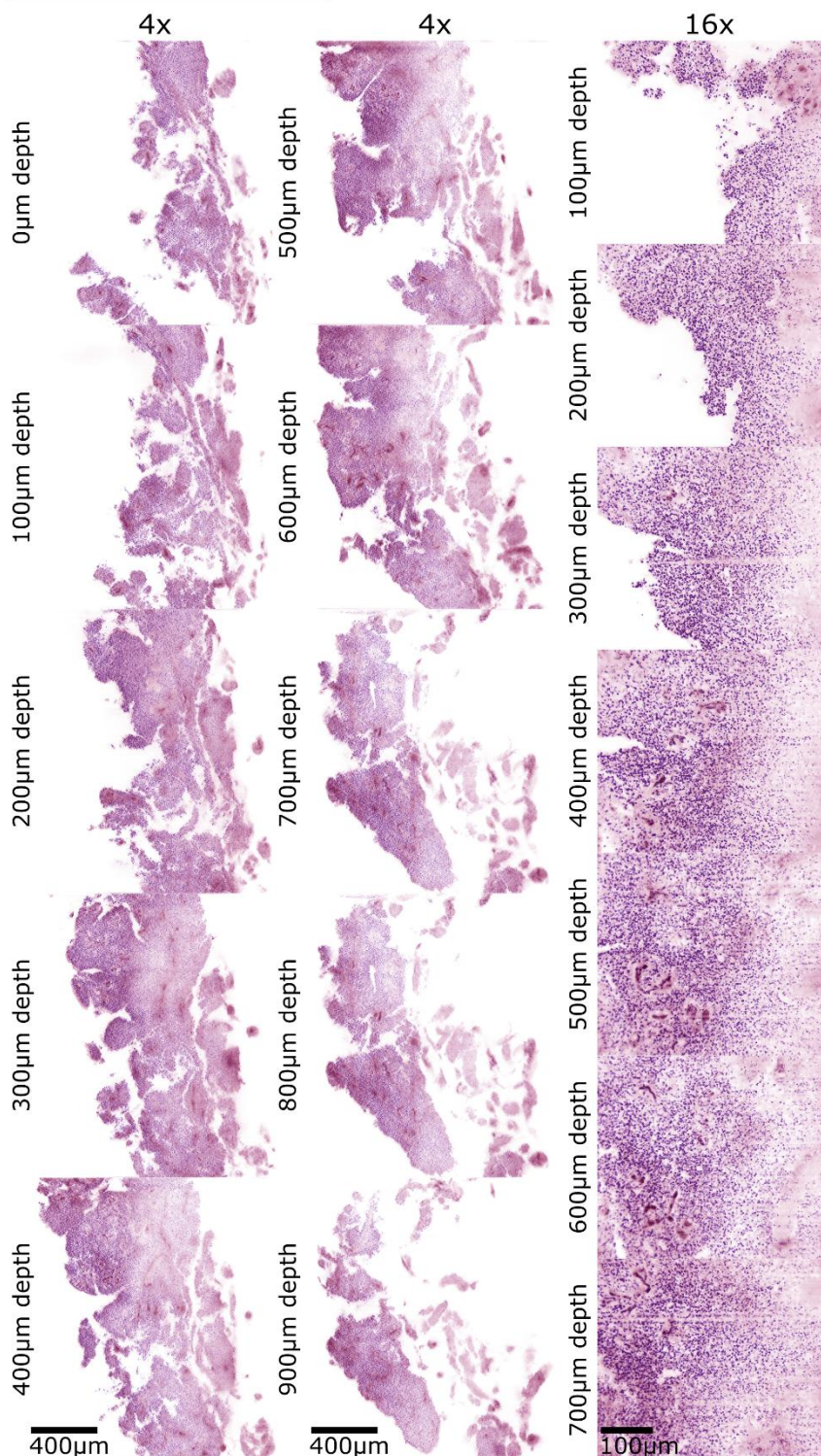


Specimen #9. Diagnosis: Glioblastoma (recurrent), WHO grade IV.

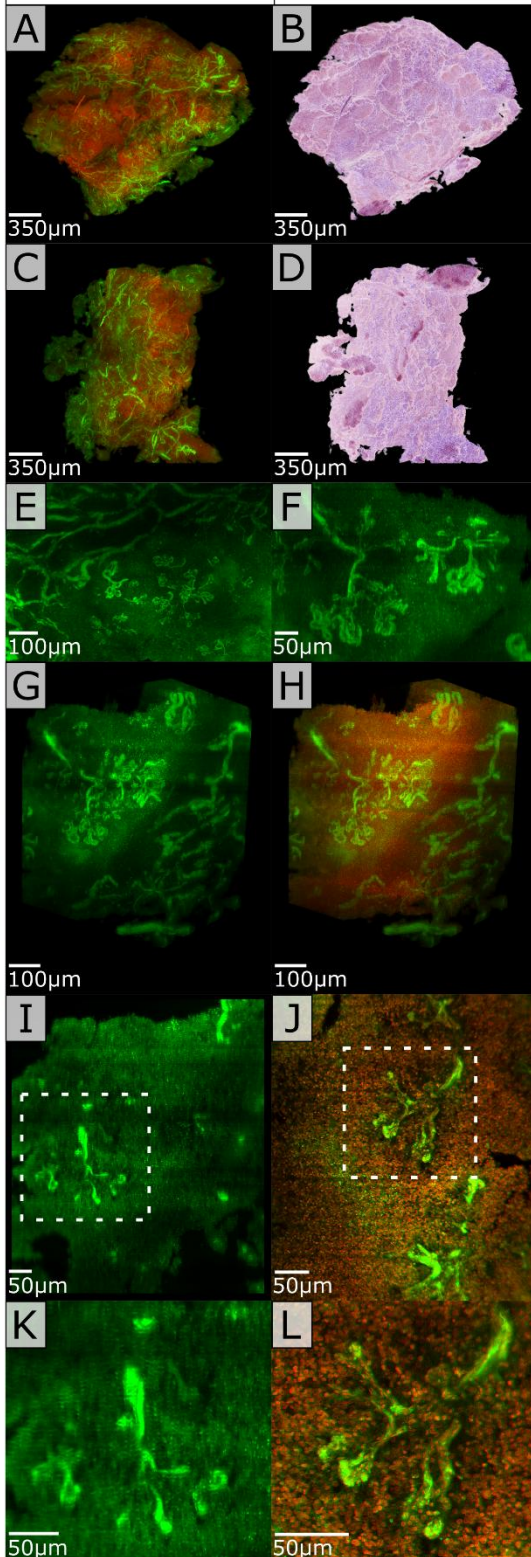
Bleaching: 5% H₂O₂.

Nuclear channel image processing: Rolling ball

vHE processed images



3D reconstruction



PFA-fixed sample

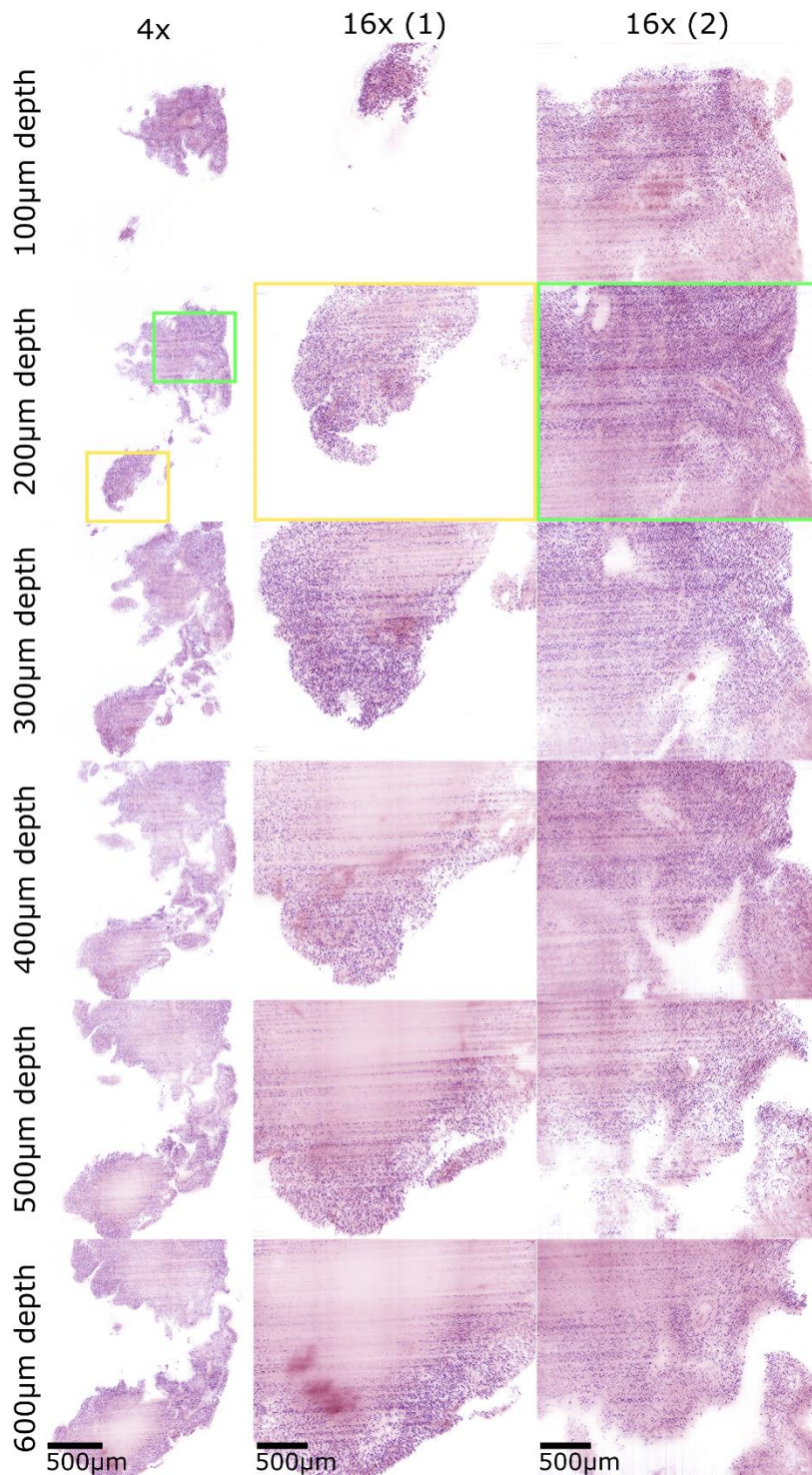


Specimen #10. Diagnosis: Glioblastoma, WHO grade IV.

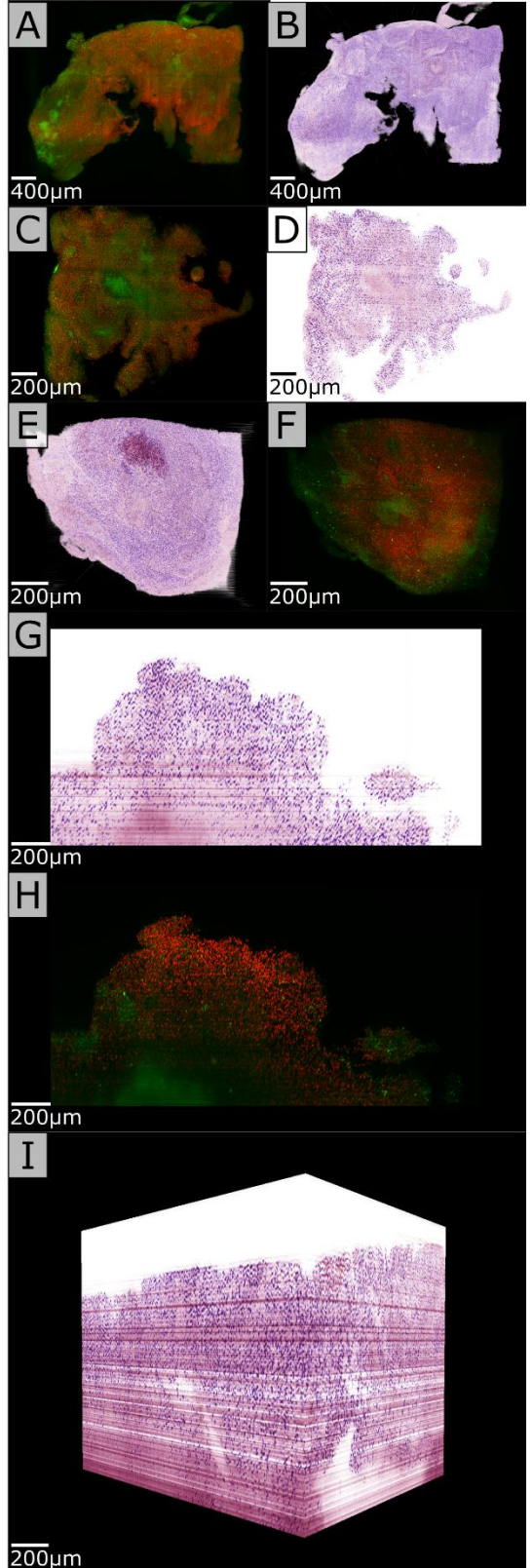
Bleaching: 5% H₂O₂.

Nuclear channel image processing: Rolling ball

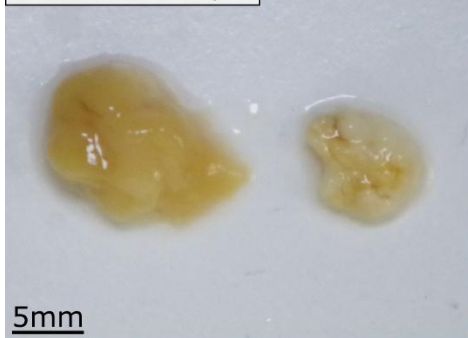
vHE processed images



3D reconstruction



PFA-fixed sample

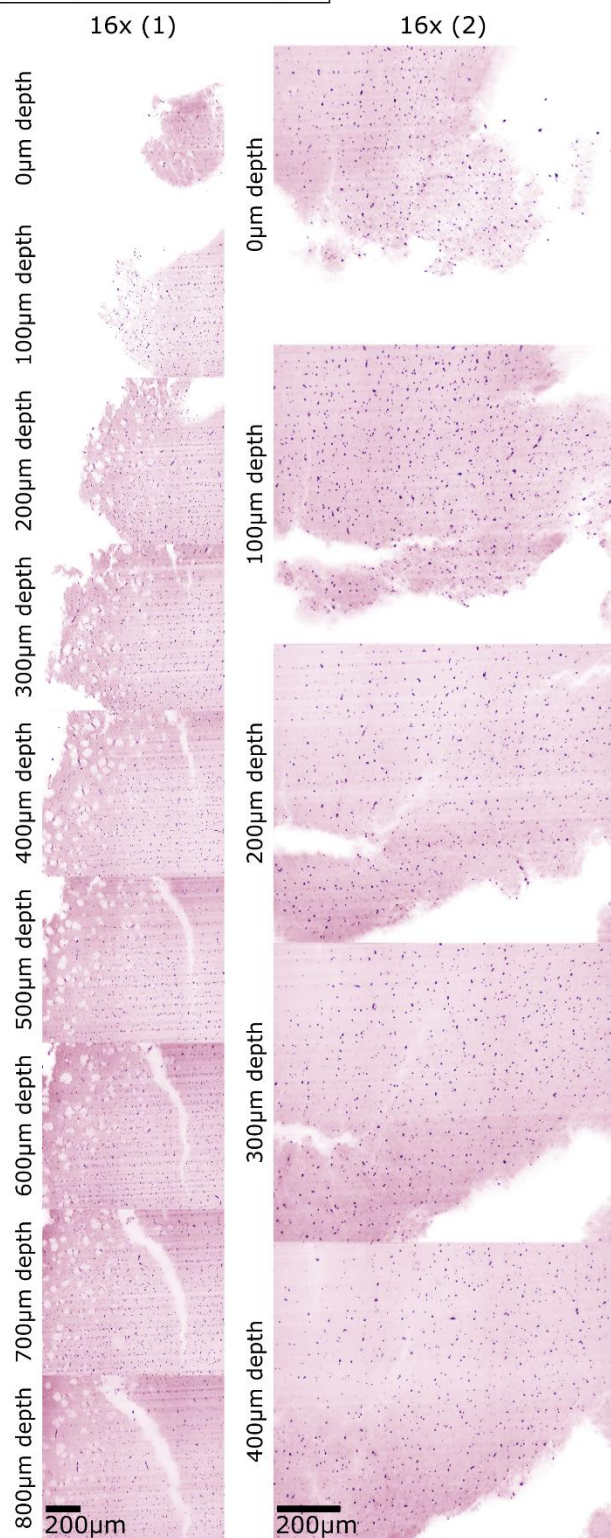


Specimen #11. Diagnosis: Astrocytoma (recurrent), WHO grade II. Sample mainly consisted of gliosis, very little tumour tissue present.

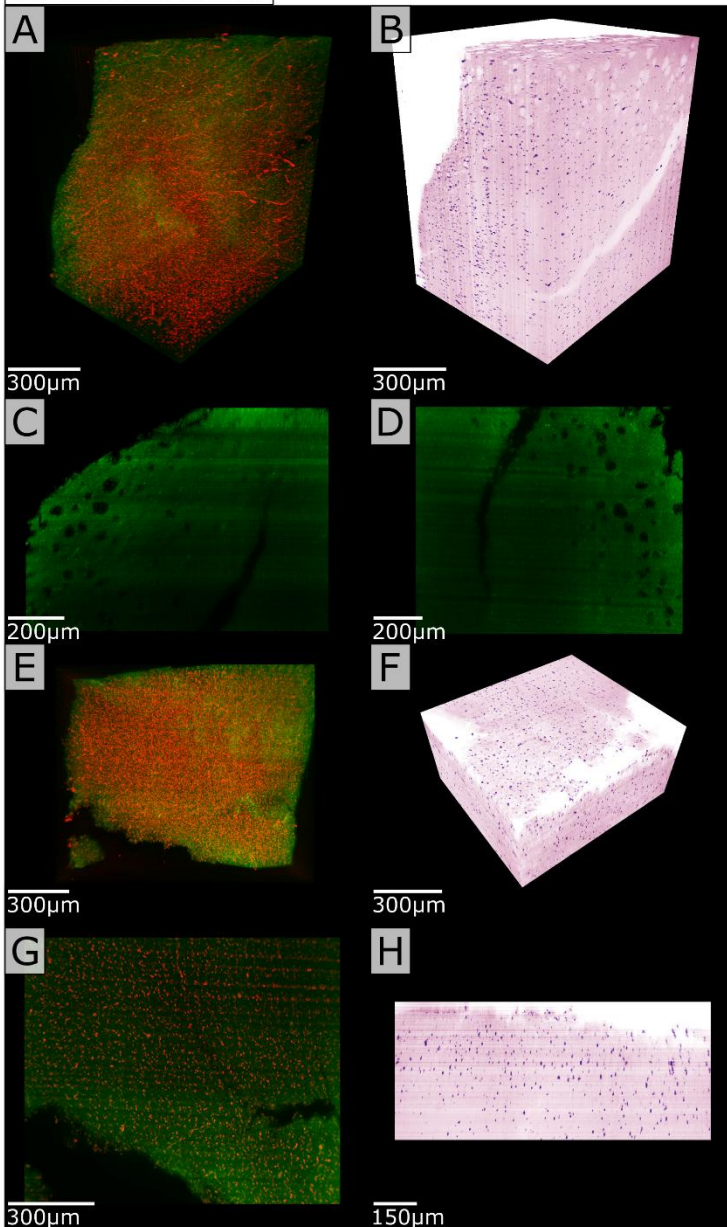
Bleaching: None.

Nuclear channel image processing: Normalisation + bandpass filter

vHE processed images



3D reconstruction



PFA-fixed sample

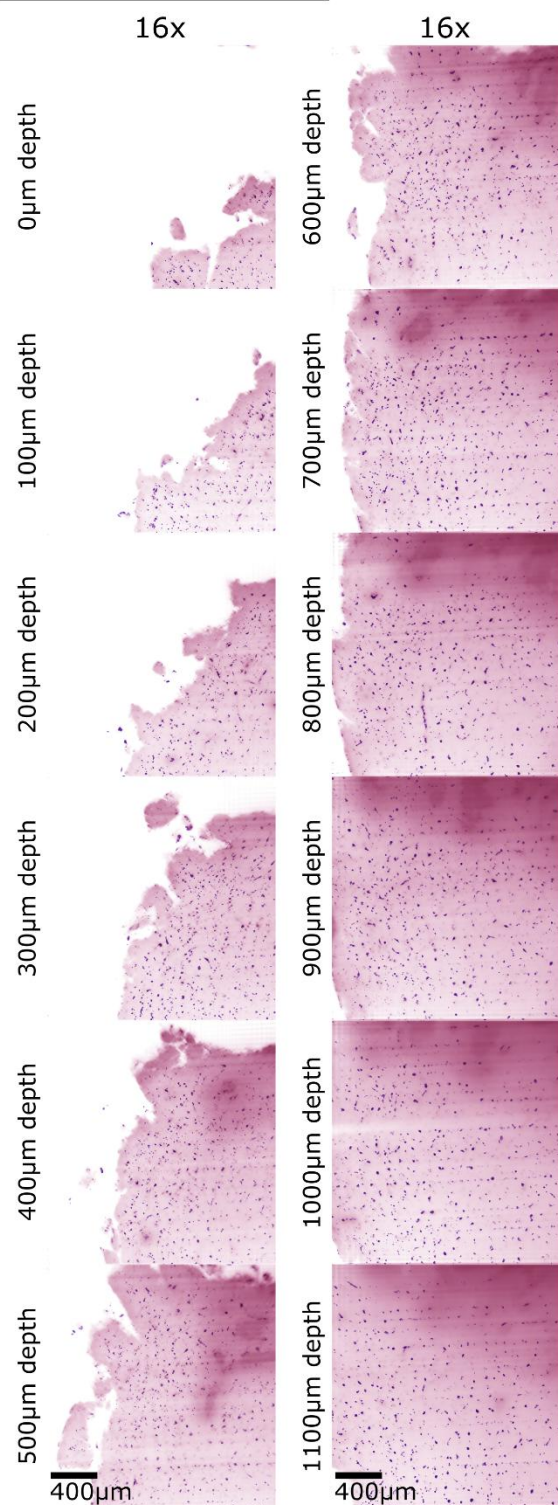


Specimen #12. Diagnosis: Glioblastoma (recurrent), WHO grade IV.

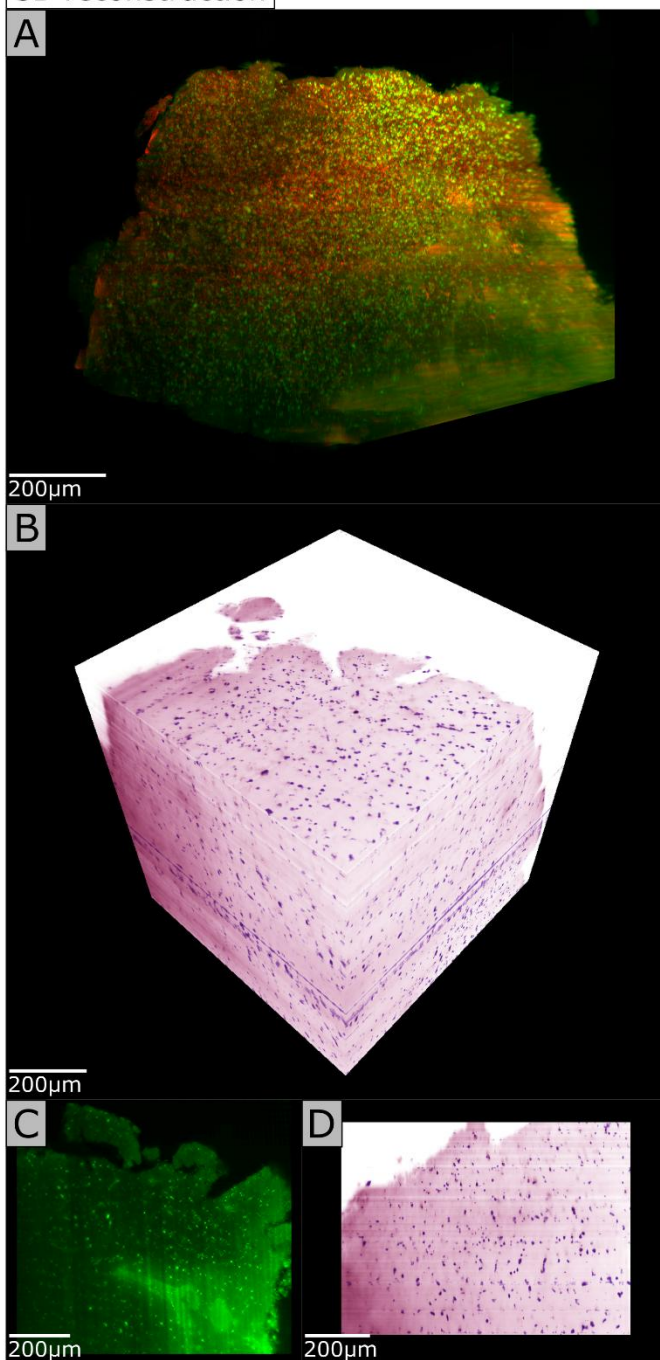
Bleaching: 5% H₂O₂.

Nuclear channel image processing: Normalisation + bandpass filter

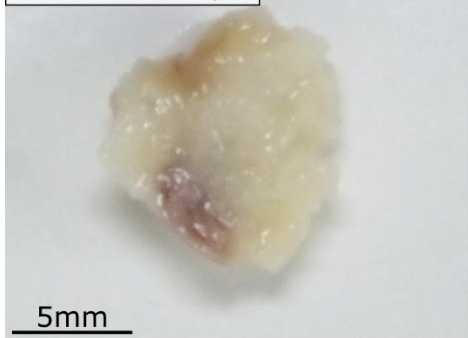
vHE processed images



3D reconstruction



PFA-fixed sample

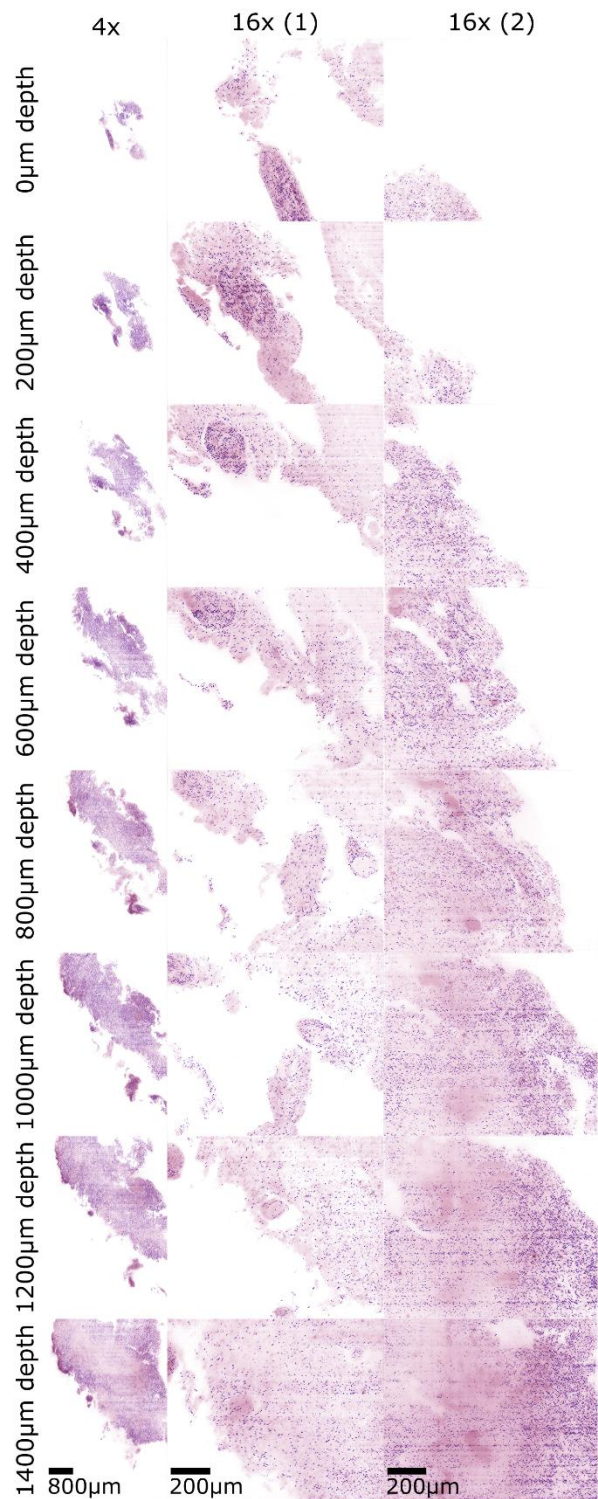


Specimen #13. Diagnosis: Glioblastoma, WHO grade IV.

Bleaching: 5% H₂O₂.

Nuclear channel image processing: Rolling ball

vHE processed images



3D reconstruction

