Supplementary Material

The Human Visual Pathway Communicates Directly with the Subarachnoid Space

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Suppl. Fig. 1. T1-weighed magnetic resonance imaging (MRI): Placement of region of interest (ROI) in each anatomical location. The Suppl Figures 1 and 2 show the approximate placement of the ROIs in all the anatomical locations. The images are taken before intrathecal injection with gadobutrol (Gadovist™). The same location was used for each time point and the ROIs were placed in the center of the structures to avoid partial volume averaging defects. This Suppl Fig 1 provides an overview; the images a-h correspond to the Suppl Fig. 2 A-H where a higher magnification is shown. In Suppl Fig. 2, the picture in the left column demonstrates slice sections of the anatomical region and the right column shows the ROI. The ROIs were placed in the coronal plane (2 A-G) and in an axial plane for the primary visual cortex (2H). In Suppl Fig 2, the following locations are shown: the vitreous body (2A); three separate sections of the intraorbital segment of the optic nerve [retrobulbar (2B), middle (2C), and posterior part (2D)]; prechiasmatic segment (2E); CSF near optic chiasm and optic chiasm (2F); optic tract (2G) and primary visual cortex and superior sagittal sinus (2H). The superior sagittal sinus was used as a reference.
Suppl. Fig. 2A. Placement of region of interest (ROI) in vitreous body. The ROI was placed in the coronal plane of the vitreous body. For overview image, see Suppl. Fig 1a.

Suppl. Fig. 2B. Placement of region of interest (ROI) in retrobulbar segment of the optic nerve. The ROI was placed in the coronal plane of the retrobulbar segment of the optic nerve. For overview image, see Suppl. Fig 1b.
Suppl. Fig. 2C. Placement of region of interest (ROI) in middle segment of the optic nerve. The ROI was placed in the coronal plane of the middle segment of the optic nerve. For overview image, see Suppl. Fig 1c.

Suppl. Fig. 2D. Placement of region of interest (ROI) in posterior segment of the optic nerve. The ROI was placed in the coronal plane of the posterior segment of the optic nerve. For overview image, see Suppl. Fig 1d.
Suppl. Fig. 2E. Placement of region of interest (ROI) in prechiasmatic segment of the optic nerve. The ROI was placed in the coronal plane of the prechiasmatic segment of the optic nerve. For overview image, see Suppl. Fig 1e.

Suppl. Fig. 2F. Placement of regions of interest (ROIs) in CSF near optic chiasm and optic chiasm. The ROIs were placed in the coronal plane of the CSF near optic chiasm and optic chiasm. For overview image, see Suppl. Fig 1f.
Suppl. Fig. 2G. Placement of region of interest (ROI) in optic tract. The ROI was placed in the coronal plane of the optic tract. For overview image, see Suppl. Fig 1g.

Suppl. Fig. 2H. Placement of regions of interest (ROIs) in the primary visual cortex and superior sagittal sinus. The ROIs were placed in the axial plane of the primary visual cortex and superior sagittal sinus. For overview image, see Suppl. Fig 1h.