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A stable and easily reproducible model of focal white matter demyelination

Running Title: Lysophosphatidylcholine-induced demyelination of corpus callosum

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Highlights

- Establishing a simple, reliable, and inexpensive model of demyelination in the corpus callosum in mice, with functional and morphological reproducibility, and good validity.
- Intracortical and subpial lesions with extensive demyelination and widespread cognitive dysfunction generated via stereotactic, cortical, two-point injection of LPC into mice brains.
- Understanding of the pathophysiology of demyelination.
- Gaining comprehension of the mechanisms involved in remyelination.

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