

Supplementary Material

For

Unlocking Potential of Oxytocin: Improving Intracranial Lymphatic Drainage for Alzheimer's Disease Treatment

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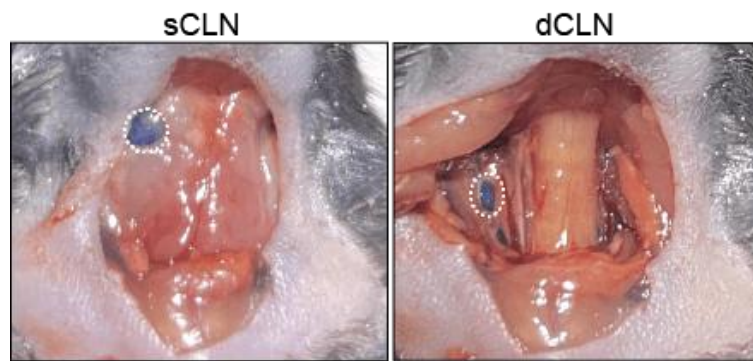


Figure S1. Representative images of the anatomical locations of superficial and deep CLNs.

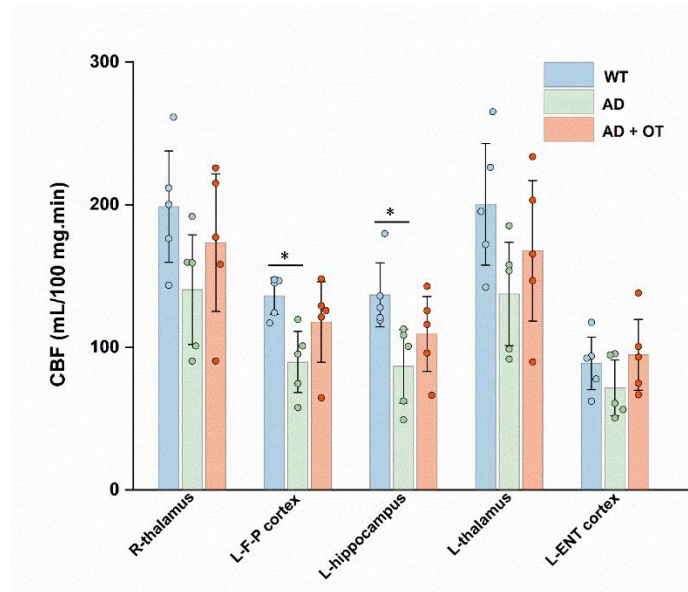


Figure S2. Quantitative analysis of CBF in specific brain regions ($n = 5$). Data are presented as mean \pm SD.

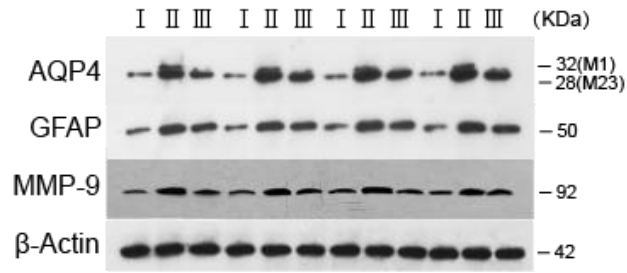


Figure S3. Representative immunoblots for AQP4, GFAP, and MMP-9 ($n = 4$). Group number: I: WT; II: AD; III: AD + OT.

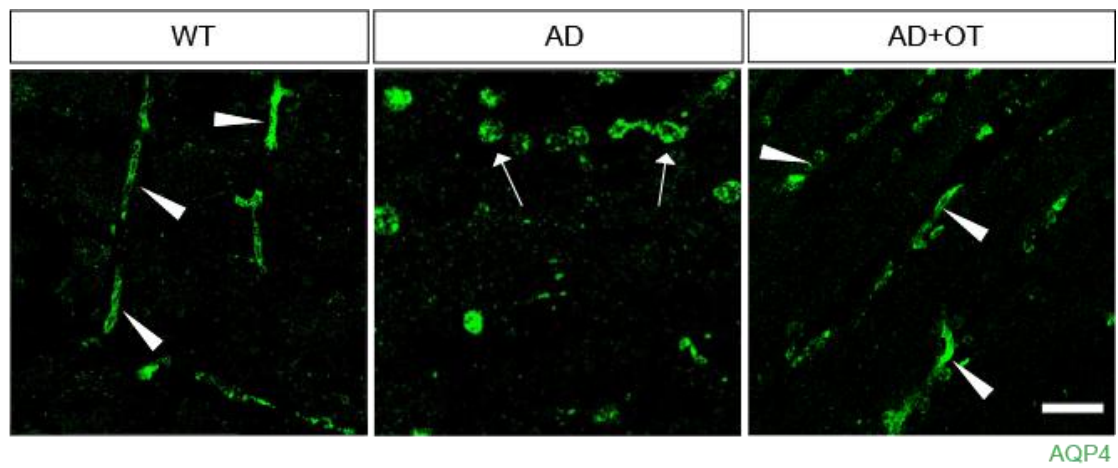


Figure S4. Immunofluorescence staining of AQP4 in mouse brain. Scale bars, 20 μ m.

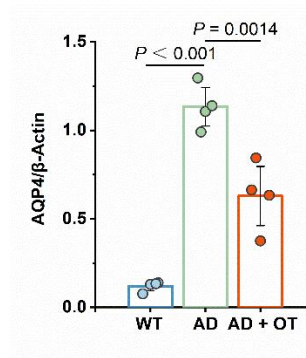


Figure S5. Quantitative analysis of the expression levels of AQP4 ($n = 4$) by Western blot in Figure 2j. Data are presented as mean \pm SD.

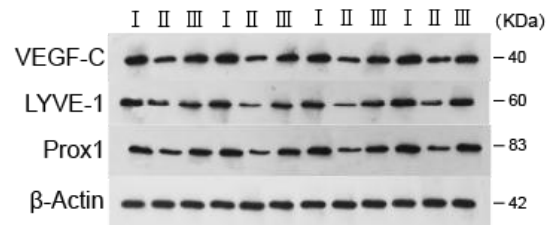


Figure S6. Representative immunoblots for VEGF-C, LYVE-1, and Prox1 ($n = 4$).

Group number: I: WT; II: AD; III: AD + OT.

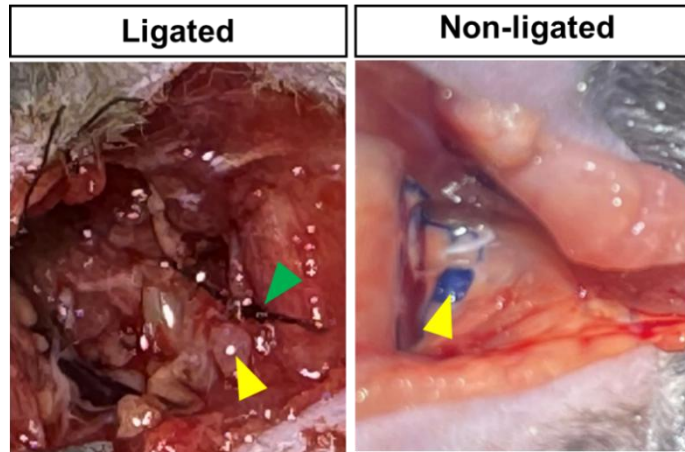


Figure S7. Representative images of the ligation and non-ligation surgery. Yellow: the node location; Green: the ligation site.

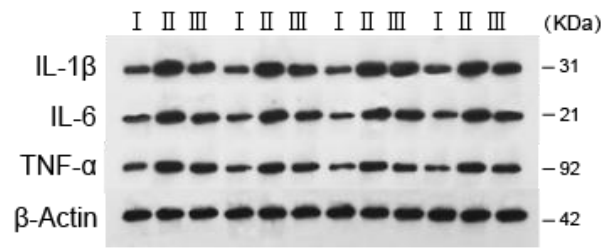


Figure S8. Representative immunoblots for IL-1 β , IL-6, and TNF- α ($n = 4$). Group number: I: WT; II: AD; III: AD + OT.

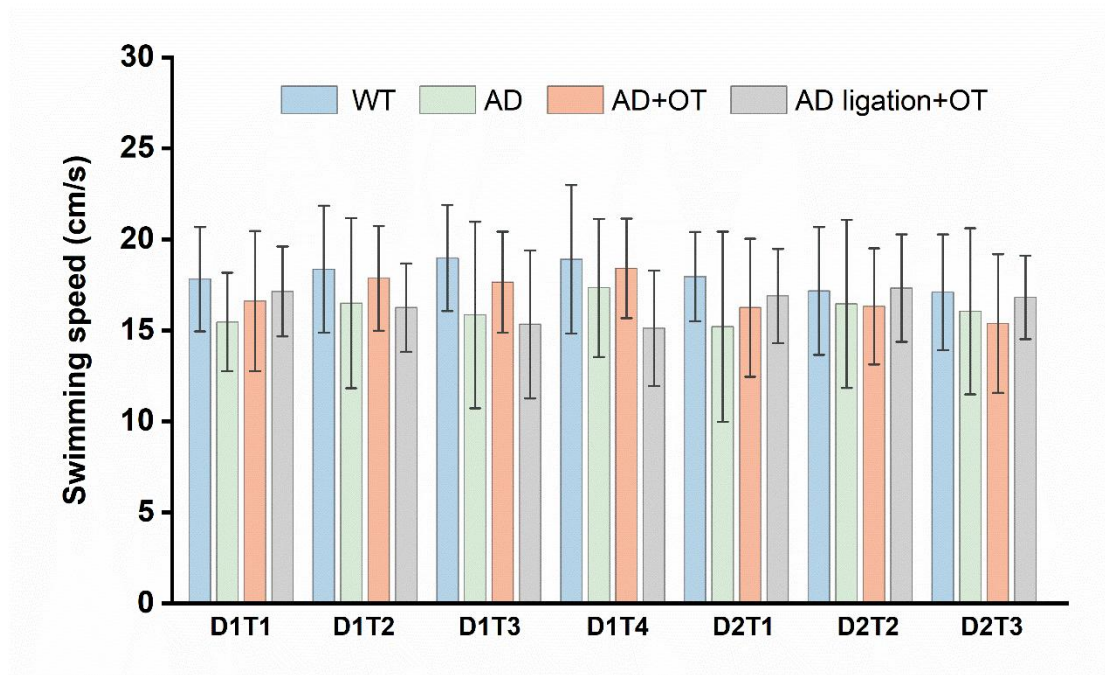


Figure S9. Swimming speed of mice in two-day water maze test ($n = 15$). Data are presented as mean \pm SD.

Table S1. The dilution ratio and source of primary antibodies used in this study.

Antibodies Type	Dilution	Source	Catalog
AQP4	1:150	Santa	sc-32739
GFAP	1:200	Santa	sc-33673
MMP-9	1:300	Santa	sc-393859
IL-1 β	1:800	Abcam	ab9722
IL-6	1:800	Abcam	ab6672
TNF- α	1:800	Abcam	ab9739
VEGF-C	1:200	Santa	sc-374628
LYVE-1	1:200	Santa	sc-65647
Prox1	1:200	Santa	sc-81983
β -Actin	1:800	ZSGB-BIO	TA-09
HRP-conjugated goat anti-rabbit IgG	1:3000	ZSGB-BIO	ZB-2305