

Supplemental Digital Content 11. The association of surgical hospitalization with elevated late-life (Visit 5) brain β -amyloid deposition, stratified by *APOE* ϵ 4 status

All Surgery	APOE ϵ 4-positive		APOE ϵ 4-negative		Interaction
	OR (95% CI) ^a	<i>p</i>	OR (95% CI) ^a	<i>p</i>	<i>p</i>
All surgery vs. never hospitalized	1.20 (0.59, 2.44) N=169	.614	1.20 (0.66, 2.61) N=74	.784	.691
Moderate/high-risk surgery vs. never hospitalized	1.30 (0.63, 2.68) N=160	.474	1.25 (0.32, 4.90) N=58	.751	.720

Model 1 is adjusted for age, center, race, sex, and education.

^aOR represents the adjusted odds for elevated brain amyloid of the surgery group as compared to the no surgery referent group