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on Drugs and Therapeutics

AMYLOID-DIRECTED ANTIBODIES FOR ALZHEIMER'S DISEASE

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AMYLOID-DIRECTED ANTIBODIES FOR ALZHEIMER'S DISEASE

	Donanemab (Kisunla)	Lecanemab (Leqembi)
Manufacturer	Lilly	Eisai/Biogen
FDA-Approved Indication	Treatment of Alzheimer's disease; should only be started in patients with mild cognitive impairment or mild dementia	
Efficacy	Modestly slowed cognitive decline in patients with early Alzheimer's disease	
Formulations	350 mg/20 mL single-dose vials	500 mg/5 mL, 200 mg/2mL single-dose vials
Dosage	700 mg x 3 doses, then 1400 mg	10 mg/kg
Administration	IV infusion over 30 minutes once every 4 weeks	IV infusion over 1 hour once every 2 weeks; after 18 months, every 4 weeks can be considered
Common Adverse Effects	Amyloid-related imaging abnormalities (ARIA; cerebral edema, microhemorrhages, superficial siderosis)	
MRI Monitoring for ARIA	Before the 2 nd , 3 rd , 4 th and 7 th infusions	Before the 5 th , 7 th and 14 th infusions
Treatment Duration	May be stopped after amyloid plaques on PET imaging are reduced to minimal levels	Not determined by amyloid plaque response
Cost/Year	\$32,000	\$26,500 (given every 2 weeks)