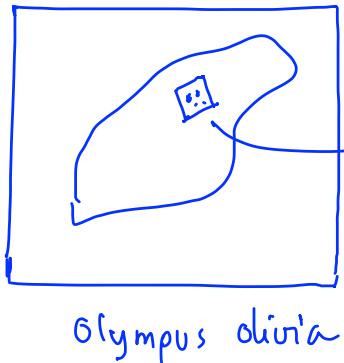
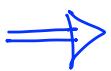
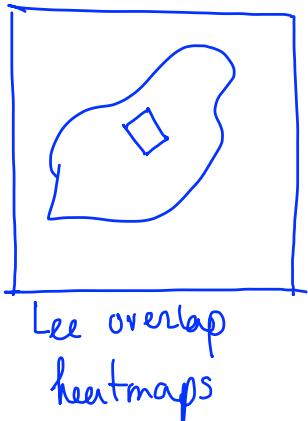


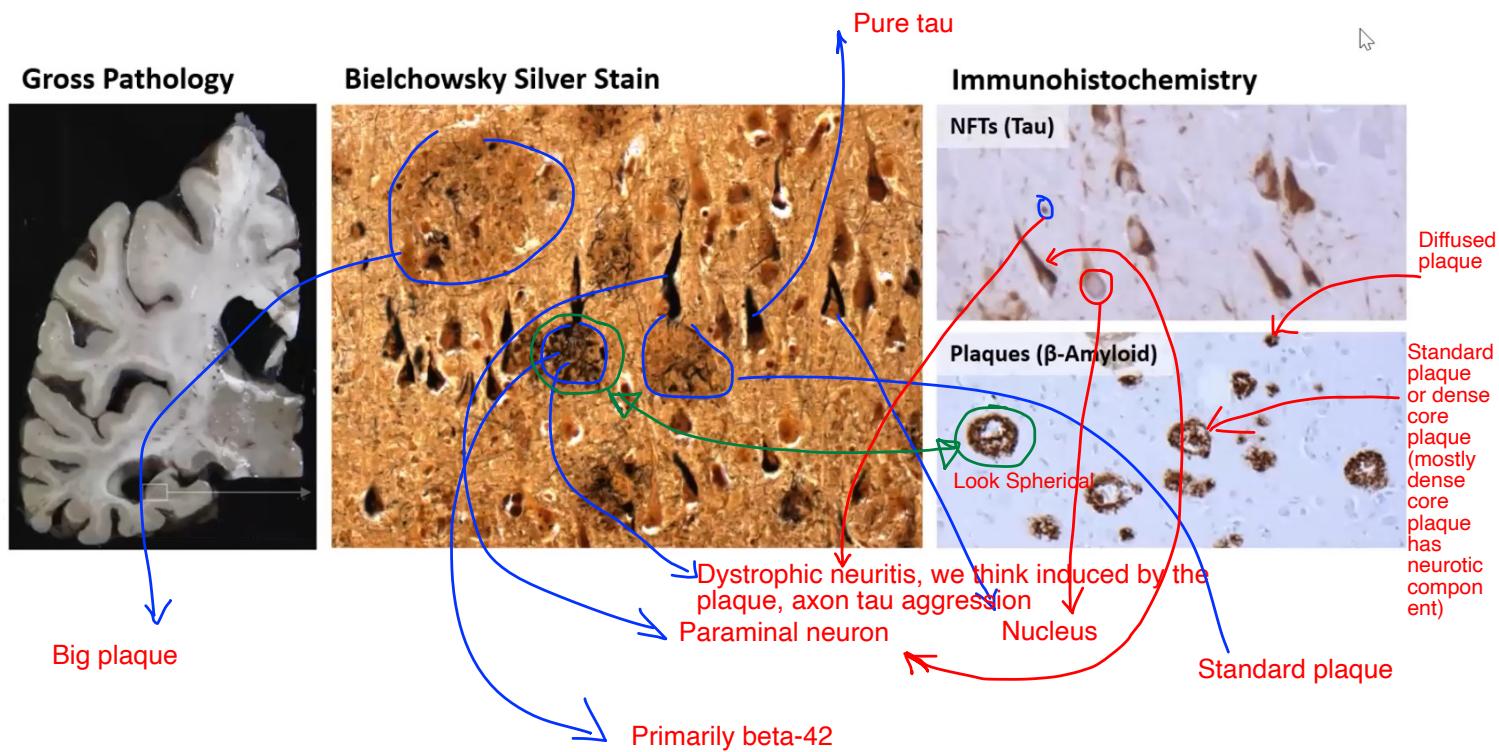
(i)



estimate how many
diffused plaques
and where

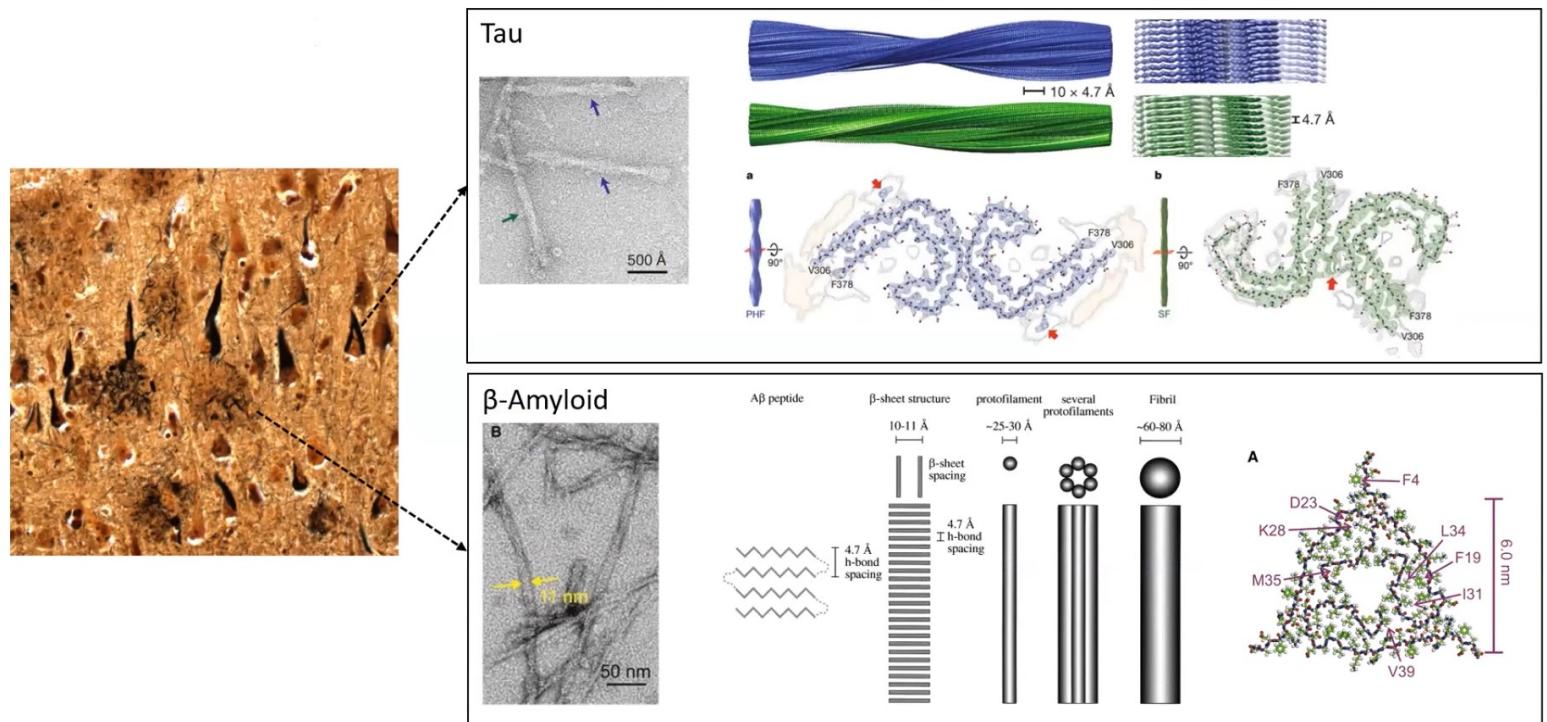
(ii) go over all the diff. patterns to see features

β -amyloid plaques and tau neurofibrillary tangles (NFTs) are hallmark pathologies in Alzheimer's disease

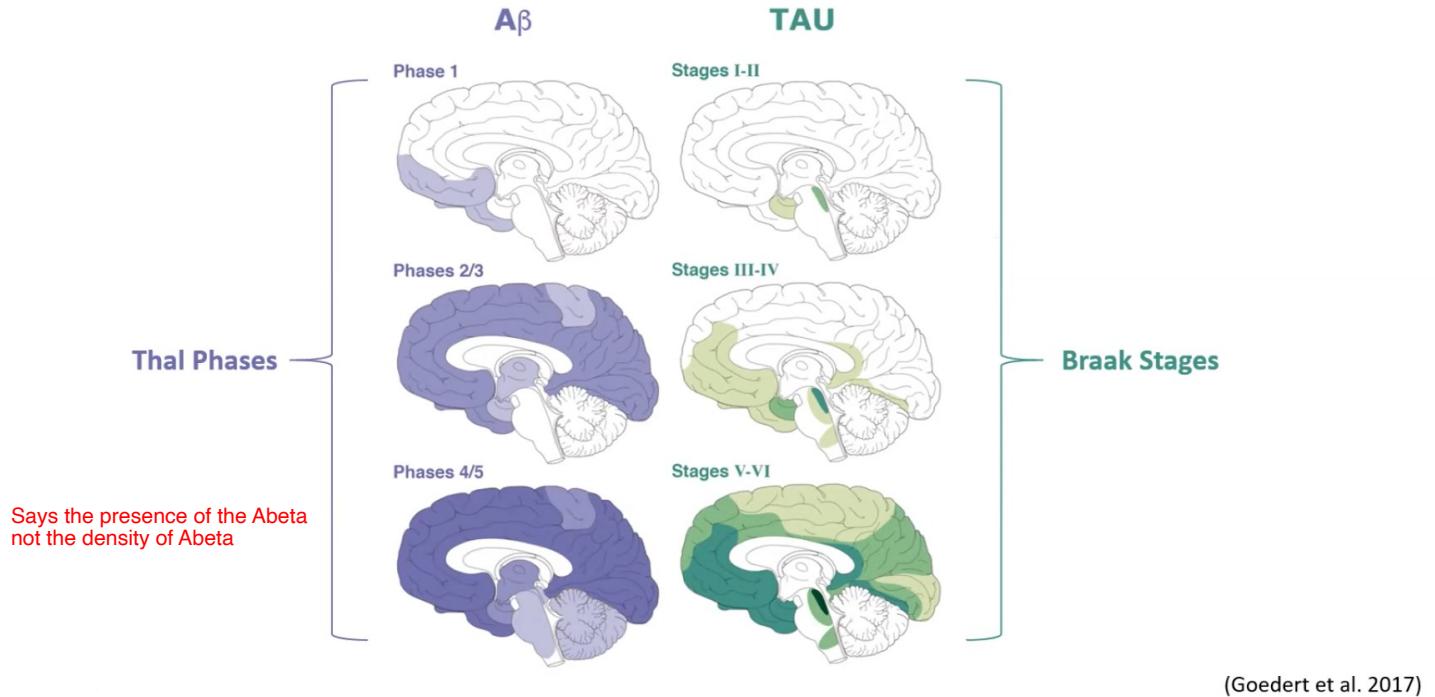


Most beta are 40 and 42; But cotton wool plaques are beta 43 (due to mutation and accumulation)

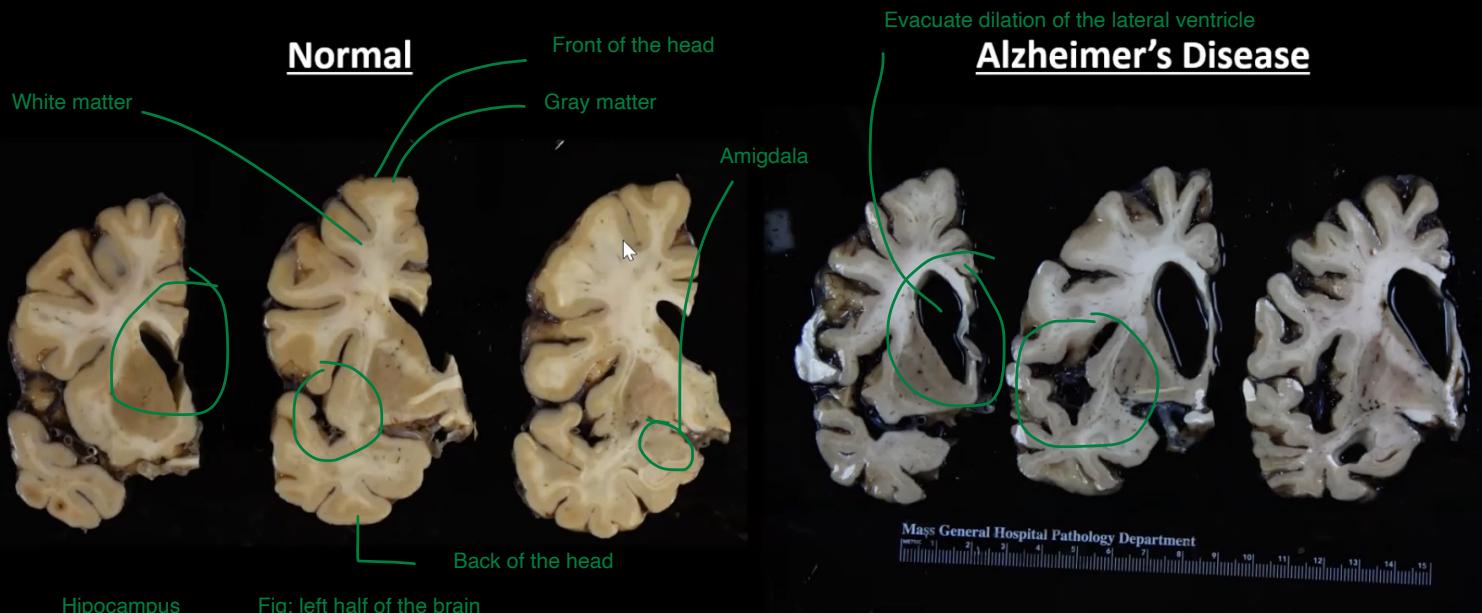
β -amyloid plaques and tau neurofibrillary tangles are composed of insoluble filamentous protein aggregates



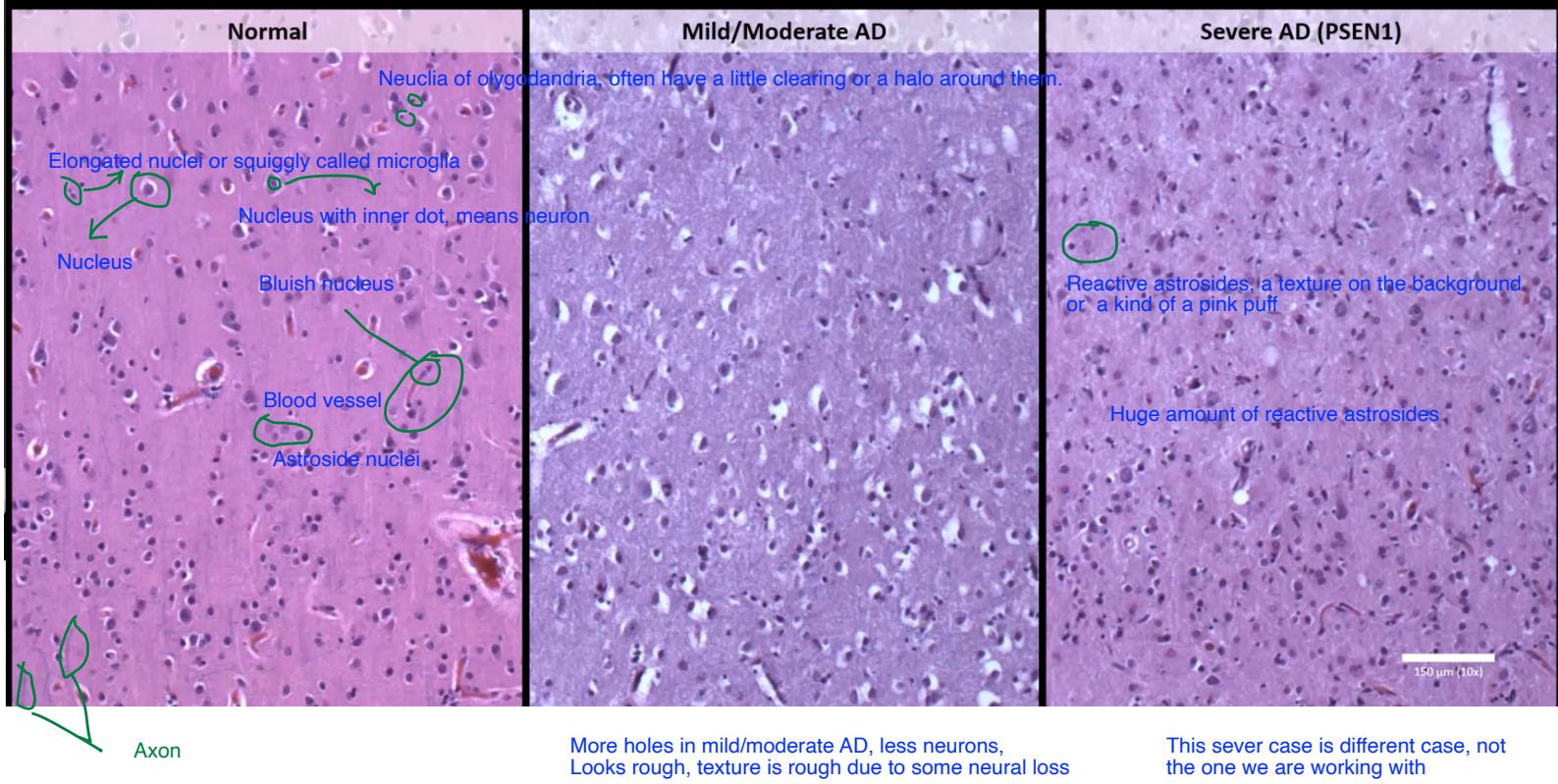
β -amyloid and tau spread across adjacent brain areas during Alzheimer's disease progression



Gross pathology of Alzheimer's disease

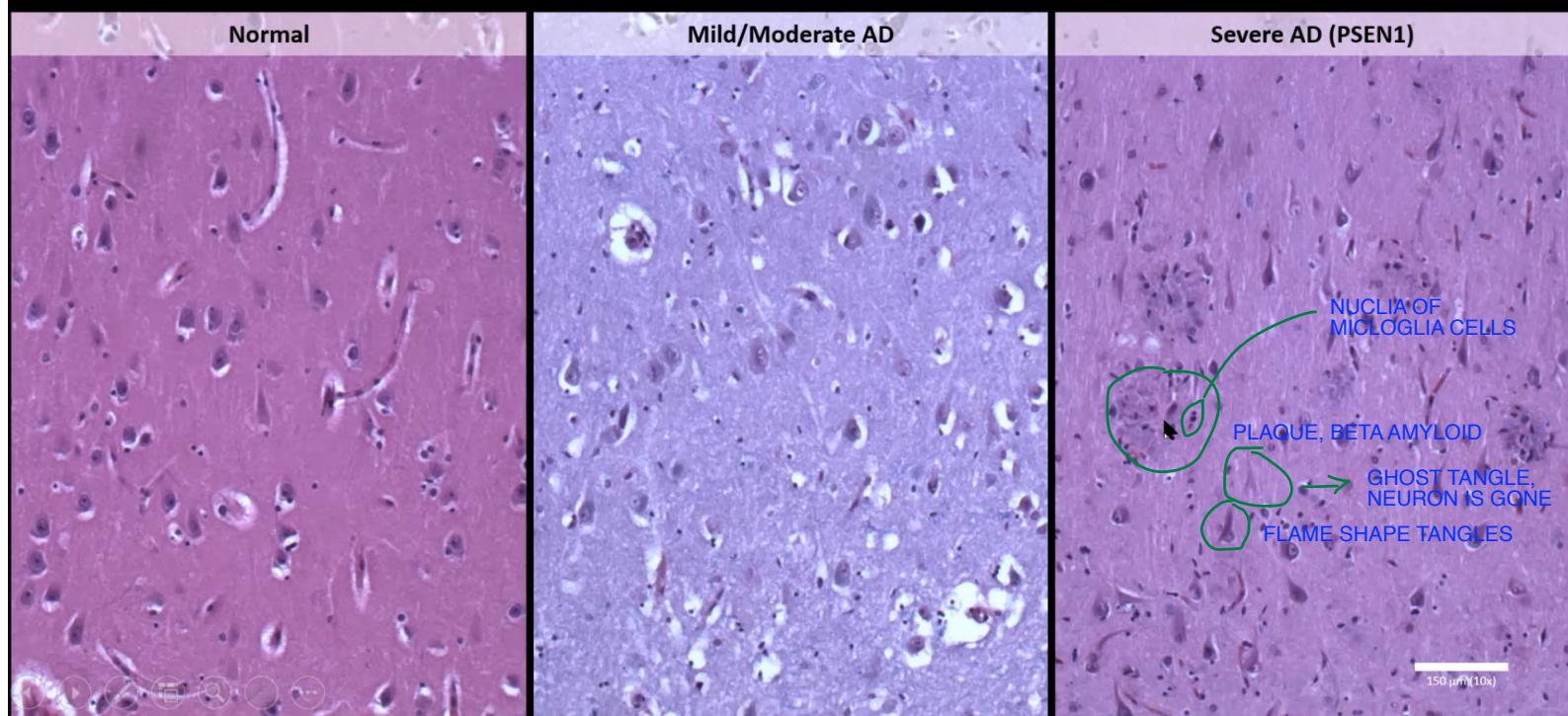


Hematoxylin & eosin stain of human parahippocampal gyrus

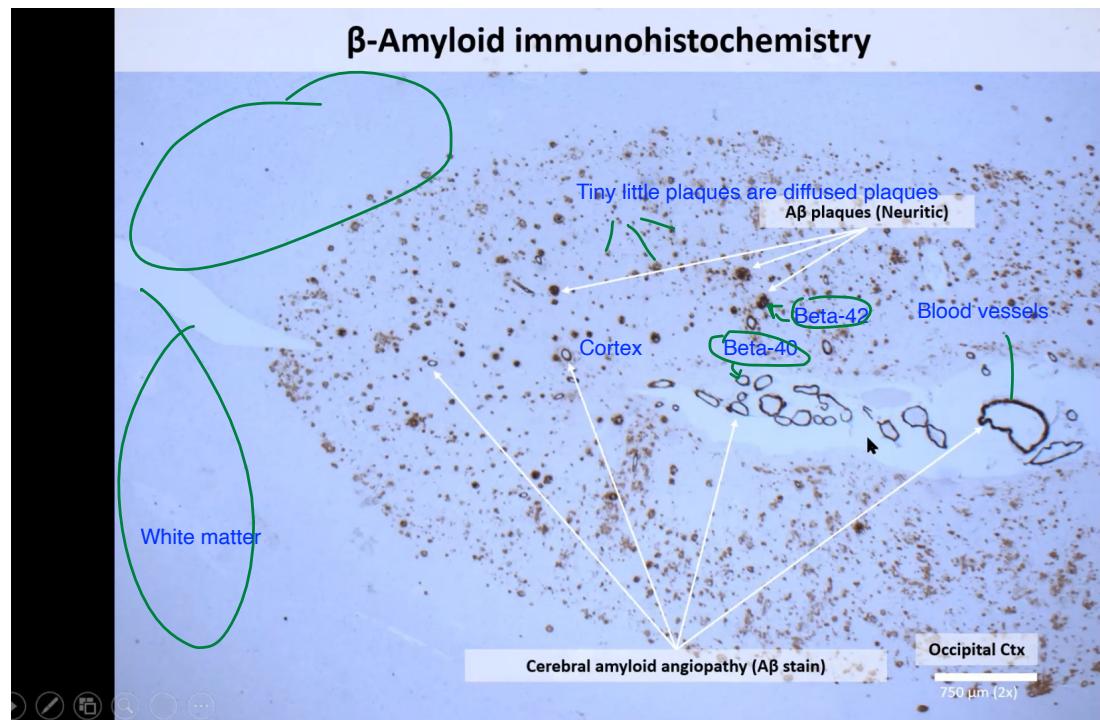
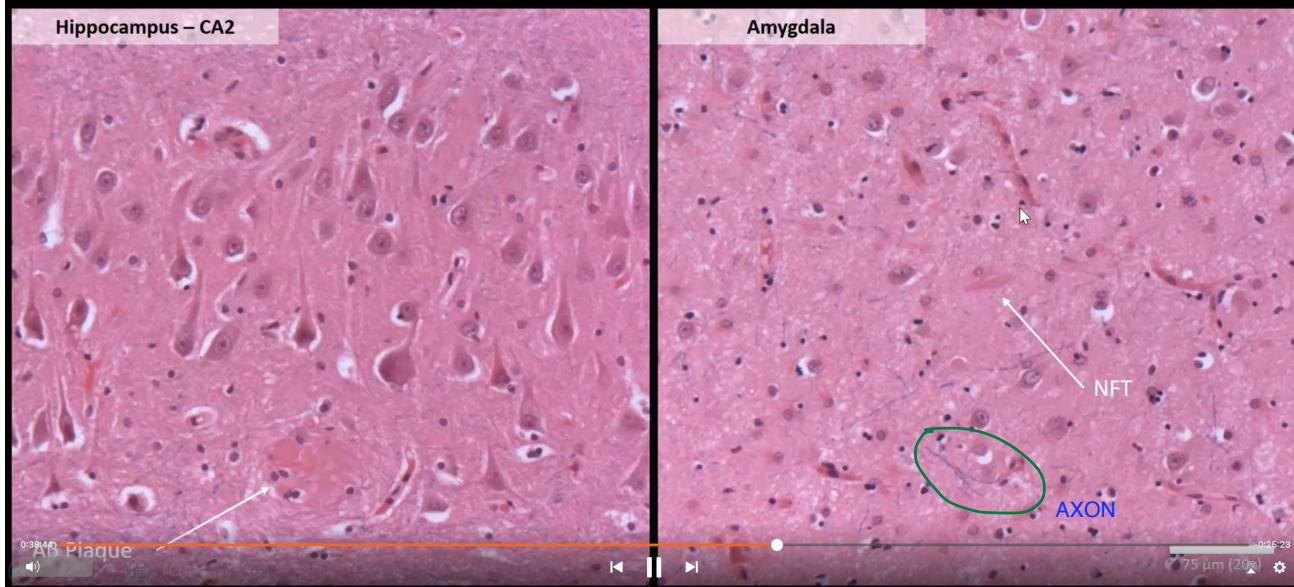


- When cell dies it is removed by miclogia
- There is a stage when cell dies it leave a tangle called ghost tangle

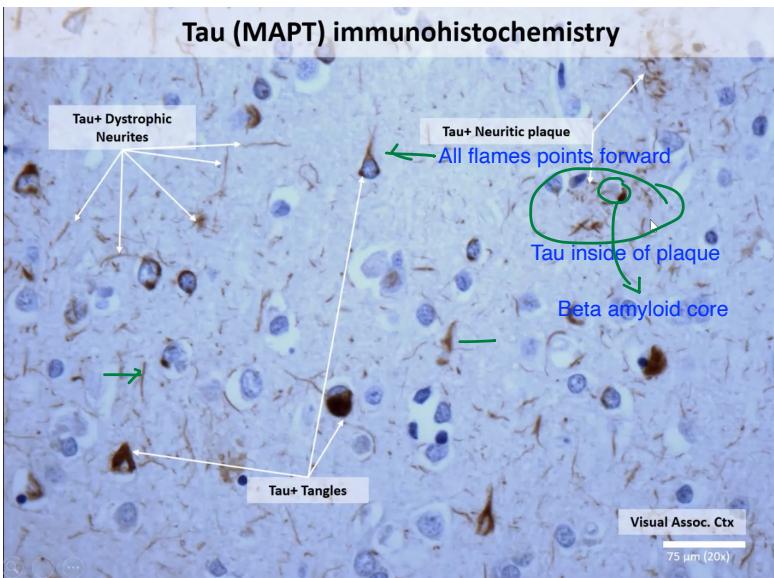
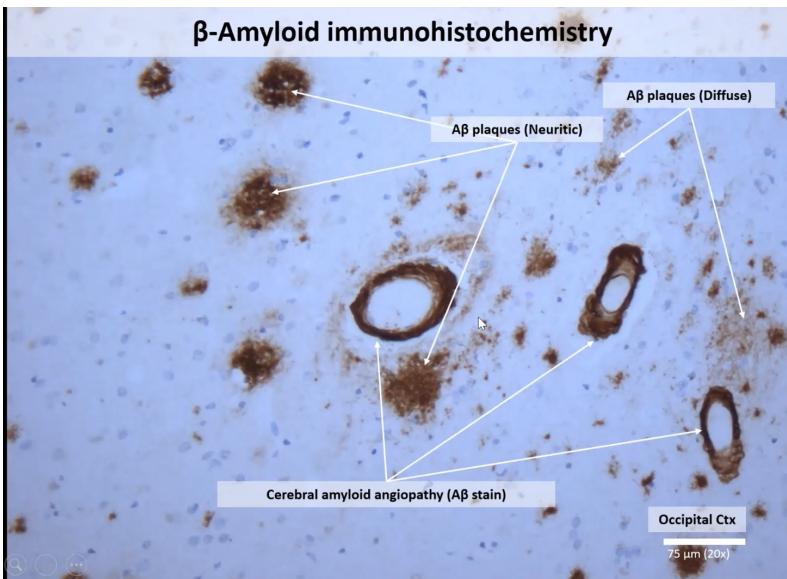
Hematoxylin & eosin stain of human hippocampus (CA1)



$\text{A}\beta^+$ Plaques and Tau $^+$ neurofibrillary tangles (NFTs) on hematoxylin & eosin stain



Separate disease related to AD



Aggregated tau isoforms vary across tauopathies

