

# Age-related cytoskeletal pathologies

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## Statements

### Belonging to the PhD thesis: Age-related cytoskeletal pathologies

#### Printha Wijesinghe

1. While there is voluminous literature in the West, there is glaring paucity of data on age associated pathomorphological changes in the brains of South Asians that still need to be addressed. (This thesis)
2. Age-based risk of neurofibrillary tangles (NFTs), *apolipoprotein E (ApoE) ε4* allele-based risk of  $\beta$ -amyloid (A $\beta$ ) plaques, and the survival probabilities of *ApoE ε4* allele carriers could possibly be one of the reasons for the discordance between NFT and A $\beta$  plaque stages in AD neuropathological diagnosis. (This thesis)
3. Cerebral small vessel diseases such as white matter hyperintensities and cerebral amyloid angiopathy are predominant comorbid cerebrovascular changes that associate with sporadic Alzheimer's disease (AD) compared with large vessel disease atherosclerosis of the circle of Willis (CW). (This thesis)
4. *ApoE ε4* and *ε2* allelic frequencies and their carrier's survival probabilities could possibly be the main reasons for the differences observed in posterior versus anterior circulation atherosclerosis in population-based studies. (This thesis)
5. Hypoplastic CW component arteries (diameter <0.1mm), the most probably communicating arteries, could possibly contribute to white matter lesions. (This thesis)
6. "Anyone who has never made a mistake has never tried anything new." (Albert Einstein)
7. "Difficulties in your life do not come to destroy you, but to help you realize your hidden potential and power, let difficulties know that you too are difficult." (Dr. A.P.J. Abdul Kalam)
8. "Everyone can rise above their circumstances and achieve success if they are dedicated to and passionate about what they do." (Nelson Mandela)
9. "You must always think and aim high, though sometimes things did not happen in your favor, you must never lose your positive attitude and continue to aim high." (Thirrukkual)
10. "What you think, you become. What you feel, you attract. What you imagine, you create." (Gautama Buddha)