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Early Detection and Assessment Approaches for Alzheimer's Disease

//////////////— SPEAKER

新店耕莘醫院

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Abstract.
This talk will present the convergence of traditional and emerging approaches to Alzheimer's disease detection. We begin by the common understanding of Alzheimer's disease as primarily a memory disorder to explore its complex neurobiological underpinnings and multifaceted clinical presentations. Then move to how advanced neuroimaging techniques have transformed our ability to visualize pathological changes in the living brain which toward developing the next-generation clinical care pathway for Alzheimer's Disease. With the rise of AI, the concept of precision medicine has flourished alongside it, bringing forth developing technologies that promise to enhance early detection and monitoring. Special attention is given to the subtle language and speech alterations that often precede formal diagnosis, highlighting how computational analysis of speech features can serve as a non-invasive window into cognitive decline. This integrated multimodal approach empowers healthcare professionals with a comprehensive framework that reveals both the clinical and subclinical indicators of Alzheimer's disease, ultimately enabling more timely interventions and personalized treatment strategies.

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日期 **Date**	2024/03/14（五）
時間 **Time**	13:30-15:00
地點 **Venue**	敏求運算學院(202教室)

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