Poster

📅 2025年9月27日(土) 11:00 ~ 12:10 🏛 Poster Session (6F Meeting Room 4-6)

Poster 36

[P-36-03] Development of a visual assessment tool for screening major depressive episodes

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キーワード：Thai-PHQ9、VSD、Depression、communication impairment

Background: Depression is a high-prevalence mental health condition; standardized screening tools are widely used to assess depressive symptoms. These tools rely on linguistic comprehension, which may present barriers for individuals with communication impairments. The researchers designed the novel visual screening depression tools (VSD) specifically for this population. Objective: This study aims to develop and evaluate the validity and reliability of VSD, designed to minimize linguistic demands and improve accessibility for populations with limited verbal communication. This pilot study was conducted in the Thai population to prove the validity of the tools in normal communication ability before using this tool with individuals with communication impairments in the next study.

Methods: Concepts from each item of the PHQ-9 were analyzed and translated into easy-understanding images, each accompanied by a short caption. The VSD was administered alongside the Thai version of the PHQ-9 to 505 participants with normal Thai communication ability in the OPD unit of Siriraj Hospital. Psychometric analysis was used for statistical analyses.Results: The result of the VSD was compared with the Thai PHQ-9 as a gold standard. 501 subjects had completed both the VSD and the Thai-version PHQ-9. At the cut point for screening depression at a score $\geq$ 9 as the Thai PHQ-9. The sensitivity of the VSD is 94.08 (95% CI: 91.43, 96.73); specificity is 90.86 (95% CI.:86.84, 94.89). The internal consistency assessed through Cronbach's alpha coefficient is 0.885.

Conclusion: The VSD is a promising alternative for assessing depressive symptoms using images with small phrases in the normal Thai communication ability population. Its development may facilitate earlier detection and treatment of depression in the individual with limited language abilities.