

[ Session for Knowledge Development and Practice by WANS members organization ]

Asian American Pacific Islander Nurses Association

SKD-3



## Technology and Knowledge Development

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Advances in computer and mobile technologies and data science have brought drastic changes in nursing research, education, and practice. The use of technology has become an essential part of nursing across fields and globe, which has subsequently influenced knowledge development in nursing. In contrast to conventional methods, the use of technologies allows nurses to efficiently approach specific populations and effectively provide information, education, and coaching mainly due to easy access without time or cost constraints. However, little is still known about the impact of technology use on nursing knowledge development. This symposium aims to provide an open forum to discuss the use of technology specifically in nursing research and its influences on nursing knowledge development. First, an introduction on technology use and knowledge development in nursing will be presented while explaining how the session is structured. Then, a systematic literature review on technology use in nursing research will follow. Third, an actual research study using technology as an intervention medium will be presented. The actual research study aimed to determine the effects of a technology-based cancer support group on enhancing social supports among 94 Asian American breast cancer survivors. The findings supported significant decreases in uncertainty, needs for support, and perceived isolation, and increases in personal resources only among the intervention group ( $F=6.612\sim 9.937$ ,  $p<0.05$ ). Through this session, implications for future use of technology and nursing knowledge development will be proposed.