ABSTRACT BOOK

ABSTRACTS

24TH WORLD CONGRESS OF DERMATOLOGY
MILAN 2019

A new ERA for global Dermatology
10 – 15 JUNE 2019
MILAN, ITALY

TELEDERMATOLOGY

CONCORDANCE AND RELIABILITY OF TELEDERMATOLOGY USING MOBILE PHONES IN THE OUTPATIENT CLINIC IN A TERTIARY HOSPITAL: A CROSS-SECTIONAL STUDY

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INTRODUCTION: The population in the Philippines has been on the rise since 2016 majority living outside of Metro Manila. The dermatologist: patient ratio is relatively low to provide dermatologic care in every Filipino. Nowadays, technology has been utilized in healthcare. Most of these innovations are trying to cut-down costs from rural areas. Due to dermatology's visual in nature, teledermatology was being utilized to provide dermatologic care. Technological updates have been easier and readily accessible to every Filipino including the use of Smartphones. These smartphones may be a potential bridge to seek dermatologic care.

OBJECTIVE: To determine the agreement of face-to-face consult and teledermatologic consult thru the store-and-forward approach using mobile phone and its accuracy in the outpatient clinic of a tertiary hospital.

METHODOLOGY: Participants are consecutively recruited dermatology patients presenting with skin or mucosal complaint that had not been previously evaluated by a dermatologist. After receiving clinical evaluation and management, consent was obtained. Photographs were taken using standard phone at a standard distance. Thereafter, biopsy will be taken. Photos were sent to 3 consultant dermatologists in a store-and-forward approach using a password-secured software. Each of them gave an assessment and management for each case. The results of the study will be compared to a gold standard, which is the biopsy result. Concordance rates were analyzed by Kappa analysis.

RESULTS AND DISCUSSION: Cohen's kappa coefficients for reliability are as follows: inflammatory diseases 0.83 (CI 0.5 to 0.91), infectious disease 0.53 (CI 0.49 to 0.76), benign neoplasm 1 (CI 0.5 to 1), malignant neoplasm 0.5 (CI 0.5 to 1) and vascular disorder 0.78 (0.49 to 0.88). Sensitivity and specificity are ranged from 0.5 to 0.88 and 0 to 1 respectively.

CONCLUSION: Mobile teledermatology may be a reliable and accurate tool to assess and

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