

ABSTRACT: ORAL PRESENTATION 09

**ASSESSMENT OF KNOWLEDGE AND ATTITUDE OF PHARMACY STAFF HANDLING HAZARDOUS DRUGS IN HOSPITAL TUANKU FAUZIAH (HTF), MALAYSIA: A QUESTIONNAIRE VALIDATION**

Tan Xiu Quan<sup>1</sup>, Abu Hassan Siti Umairah<sup>1</sup>, Abdul Razak Najihah<sup>2</sup>, Zainal Abidin Nur Hani<sup>1</sup>, Ishak Hazirah<sup>3</sup>

1. Tuanku Fauziah Hospital, Perlis, Ministry of Health Malaysia
2. Kulim Hospital
3. Kuala Perlis Health Clinic

**Introduction:** Hazardous drugs are defined as agents that due to its inherent toxicity present danger to healthcare personnel. While the drugs were proven to have benefits for its intended patients, it may also cause adverse effects to healthy staffs who handle hazardous drugs. A study has shown that pharmacy staff has low score of knowledge regarding proper handling of hazardous drugs.

**Methodology:** The questions were constructed based on several guidelines and previous studies. In content validation, the questionnaire was reviewed by three experts from related field. For face validity, it was distributed to lay man to ensure questionnaire portrayed in the same meaning and easily understood by respondent. Construct validation was carried out using SPSS version 20.0 to test internal consistency and reliability. **Results:** Construct validity was tested for each section using factor analysis. Keiser-Meyer-Olkin test, and Bartlett's test results for Section 2 were 0.418 and <0.000 respectively. While for Section 3 were 0.476 and 0.003 respectively. For Section 4 were 0.530 and <0.000 respectively. Meanwhile for Section 5 were 0.520 and <0.000 respectively. Reliability of the questionnaires were assessed using Cronbach's Alpha and it was found to be 0.618, 0.547, 0.839 and 0.609 for Section 2, Section 3, Section 4 and Section 5 respectively. This show the questions were consistent. **Discussion/ Conclusion:** A total of 41 questions on knowledge and 12 questions on attitude to assess individual pharmacy staff regarding knowledge and attitude in hazardous drug handling were valid and reliable.