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ABSTRACT

This study aimed to develop a cost-effective, reliable, automated, and easy-to-use electronic questionnaire that can guarantee the safety of personal data.

Creating electronic questionnaires based on Microsoft Power Automate is cost-effective, reliable, safe, quick, and easy to implement in the Uro-Neurology department.

METHODS

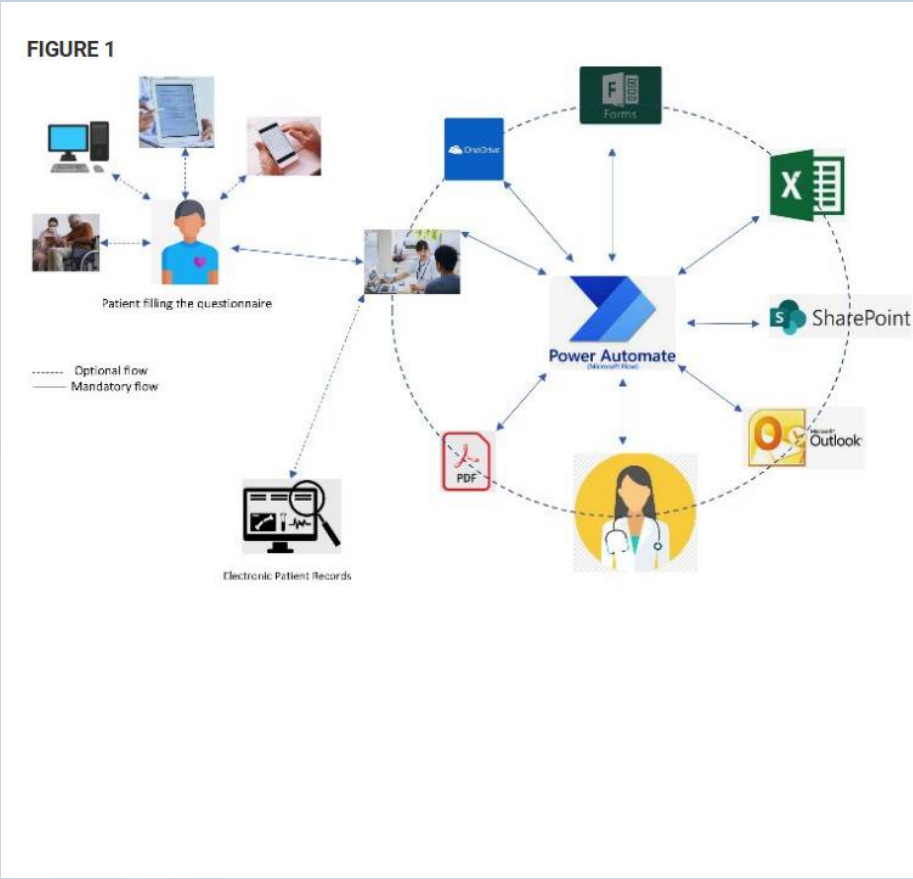
The SF-Qualiveen form was created by using MS Forms. All the questions in this questionnaire were made compulsory by default. After filling in all relevant questions, the patient can only hit the submit button. This ensures the quality of the received data for further analysis. Creating a questionnaire using MS Forms does not require programming skills; hence, all users can participate while designing a form. An SF-Qualiveen digital format link was shared via email with patients who consented to receive emails. Patients can open and fill out this questionnaire in their leisure time on their mobile phone or tablet, or personal computer. In this process, the patient does not need to install any Microsoft applications or Windows. Once the patient fills out the questionnaire, an automated acknowledgement will be displayed on the screen stating that the information was successfully conveyed to the hospital.

RESULTS

Seventy-two patients (46 Women, 26 Men; range: 20 –78 years) consented and used the SF-Qualiveen electronic questionnaire between 1st July and 9th December 2022. Five patients (6.9%) found it challenging to use an electronic tablet (Samsung Galaxy Tab S7 12.4”) due to their dexterity issues and were helped either by their relatives or healthcare staff members.

Patients or clinical or administrative staff members did not raise concerns using this electronic questionnaire. No questionnaire-related information was stored on the patient’s gadgets. No episodes of system crash or loss of data or incomplete data acquisition were noted. The department invested no funds to run or maintain this electronic questionnaire.

Clinical staff can access pdf reports with automatically calculated individual scores such as Bother with limitation, Fear, Feeling, and Fear and limitations scores. MPA can also provide anonymised data in an Excel sheet for research.



CONCLUSIONS

Creating electronic questionnaires based on Microsoft Power Automate is cost-effective, reliable, safe, quick, and easy to implement in the Uro-Neurology department.

REFERENCES

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