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- Shared Decision Making (SDM) is a patient-centered medical treatment process to provide with treatment options via patient decision aids (PDAs) to make the best medical decision in clinical care.
- Patients with atrial fibrillation are high risks of ischemic stroke and need anticoagulants for primary prevention for ischemic stroke.
- physician's explanation the pros and cons about transitional anticoagulants and Novel oral anticoagulants (NOACs), patients have difficulties in choosing due to insufficient time and little understanding.
- Therefore, the development of PDAs is expected to assist patients or their family in choosing the best option in short time as well as improving doctor-patient communication and clinical care quality.

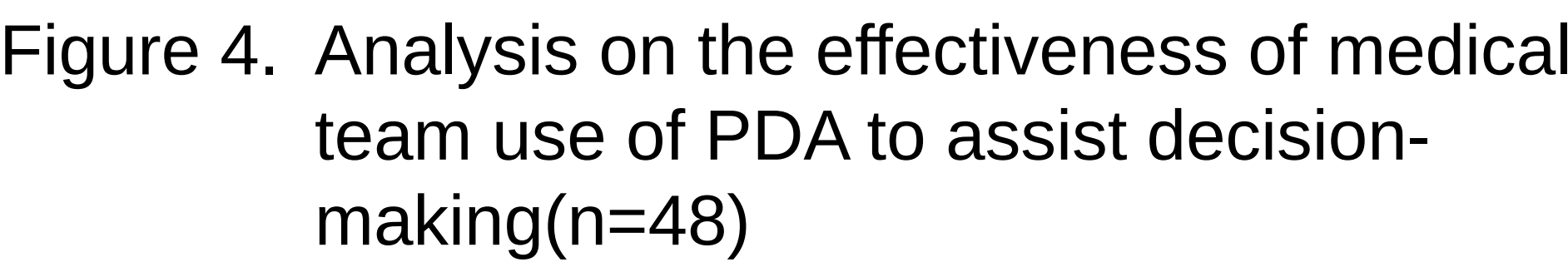
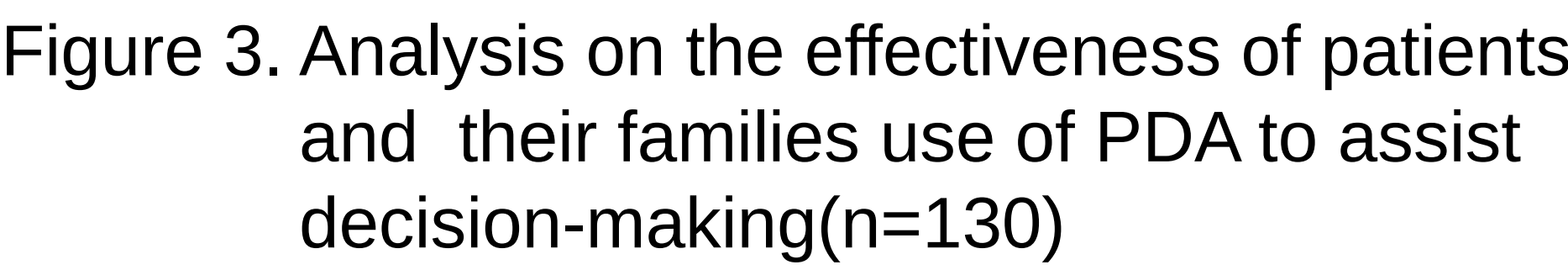
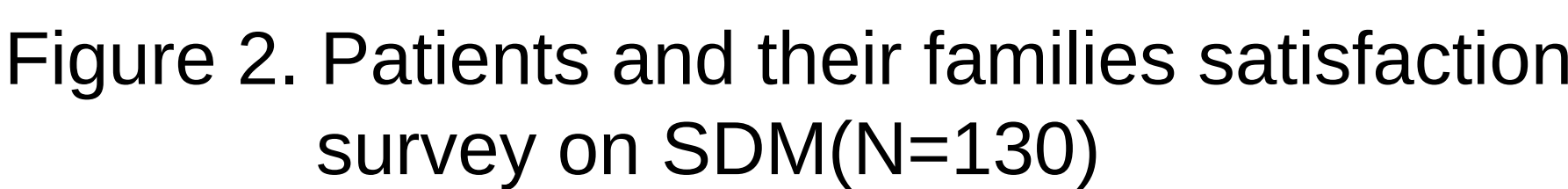
- Vitamin K antagonists (warfarin) have been the choice for the past 60 years and have good effects. They have limitations, such as a narrow therapeutic concentration range and the need for blood monitoring and it is easy to interact with drugs or food.
- The advantages of NOACs is rapid action, shorter half-life, fewer dietary and drug interactions, lower incidence of major bleeding and intracranial hemorrhage and risk of death, and no need for routine monitoring coagulation function. However, only one has a reversal agent, and cannot be monitored by blood.
- The purpose of this project is the development of PDAs to help patient's or family's understanding of drug treatment and give priority to their opinions and values to improve the medical team-patient relationship and enhance overall medical care satisfaction..

- We set up a working group to regularly meet and work on the development of PDAs which features user-friendly design.



- The developed PDAs were carried out to a clinic and a questionnaire was designed to poll patients, patients' family, and the medical team regarding their attitudes toward the PDAs in order to understand the effect of the PDAs.
- Total 130 cases and Members of the medical team collected 27 doctors and 21 nurses were collected from November 2022 to October 2023.

SDM decision timing	Before SDM intervention		After SDM intervention	
	Number of cases	percentage	Number of cases	percentage
Taking traditional anticoagulants	10	10.5	4	4.2
Taking Novel oral anticoagulants (NOACs),	50	52.6	76	80
It's not clear yet	33	34.7	13	13.6
No treatment	2	2.1	2	2.1



- The PDAs provide patients with explanation by latest evidence-based medicine and allow patients and doctors' contribution to decision-making and a more efficient medical team-patient communication.
- The developing proper PDAs may help patients to make the best decision in short time; decreasing patients' anxiety; enhancing patients' satisfaction; improving doctor-patient communication and medical care quality.

■ Waranugraha, Y., Rizal, A., Syaban, M. F. R., Faratisha, I. F. D., Erwan, N. E., & Yunita, K. C. (2021). Direct comparison of non-vitamin K antagonist oral anticoagulant versus warfarin for stroke prevention in non-valvular atrial fibrillation: a systematic review and meta-analysis of real-world evidences. *Egypt Heart J*, 73(1), 70. <https://doi.org/10.1186/s43044-021-00194-1>

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