

Service evaluation project in Urodynamics service delivery

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Background and Hypothesis of the study

- The benefits of urodynamics include being able to make objective assessment of patients, to differentiate the different types of urinary incontinence symptoms and to aid further management, following conservative management, physiotherapy and medical management
- We are doing this service evaluation projects to assess the existing service delivery, how it is delivered, how efficiently it is done, how we can improve the existing patient care when performing urodynamics and how we can improve the income for the trust

Methodology

- Retrospective data collection from July 2023-July 2024
- Clinical audit committee approval taken
- All patients who underwent urodynamics between July 2023 and July 2024 included
- Data collection tool- Excel spread sheet questionnaire

Results

Figure 1 Information about urodynamics

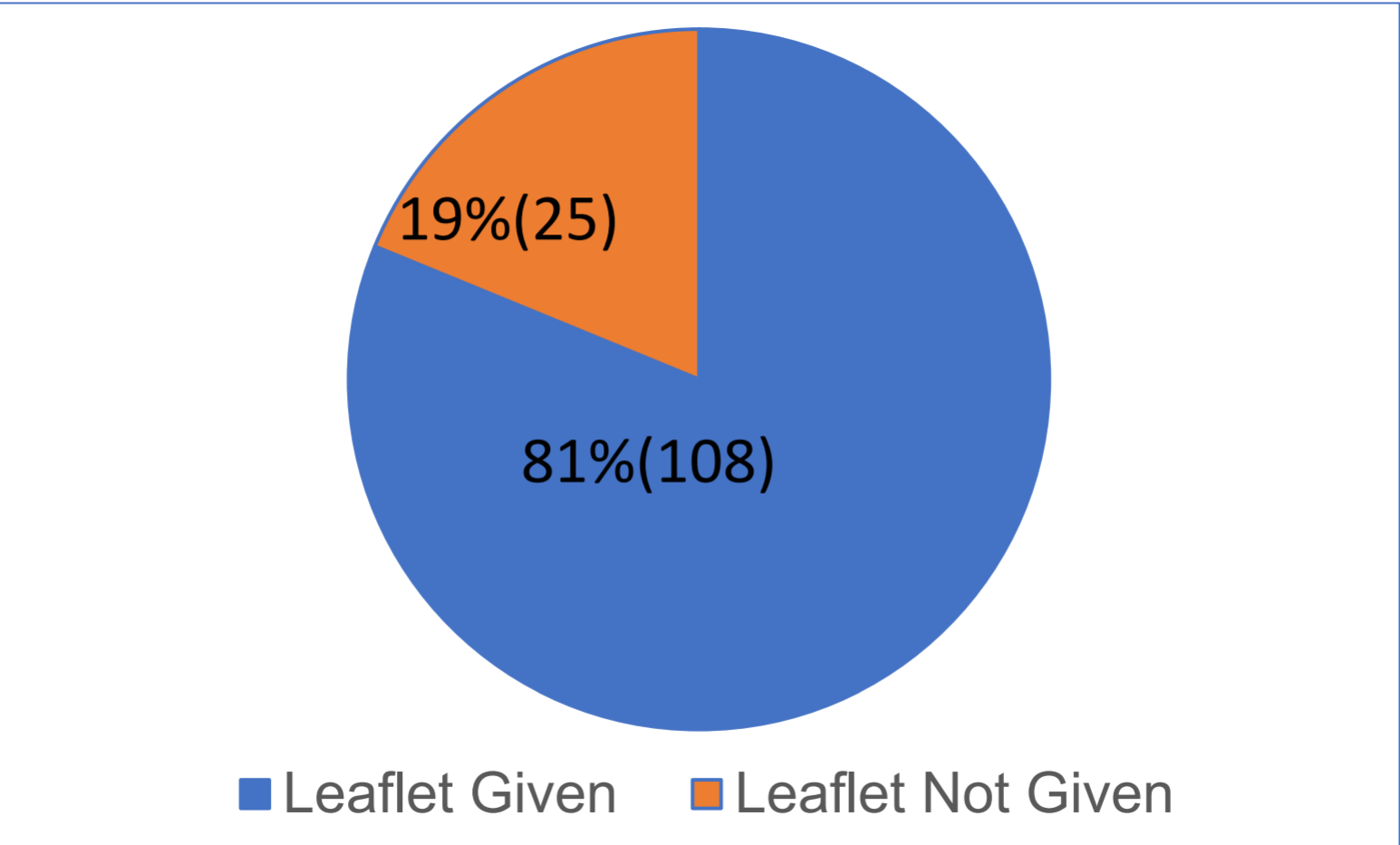


Figure 2 Indication for Urodynamics

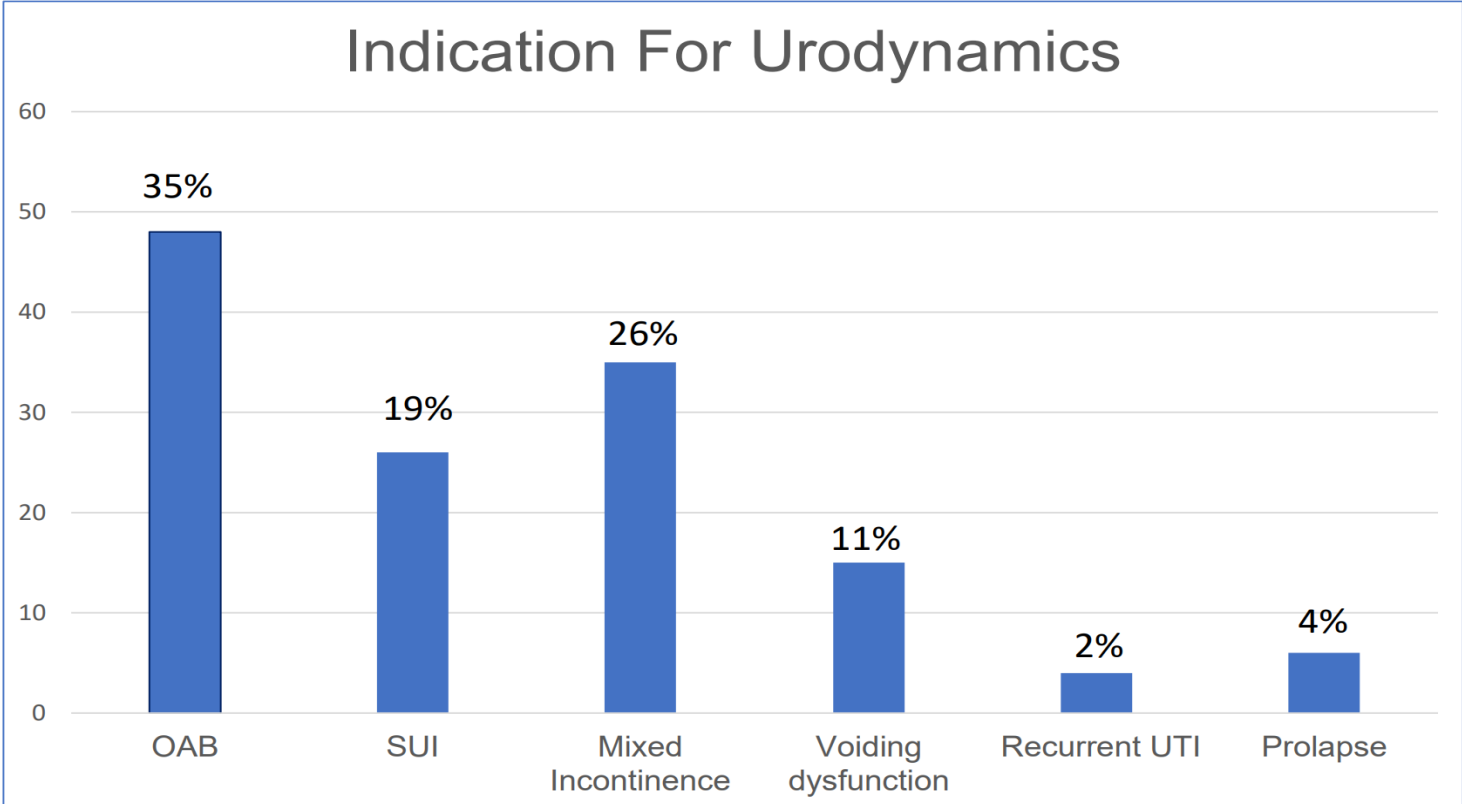


Figure 3 Referral to physiotherapy

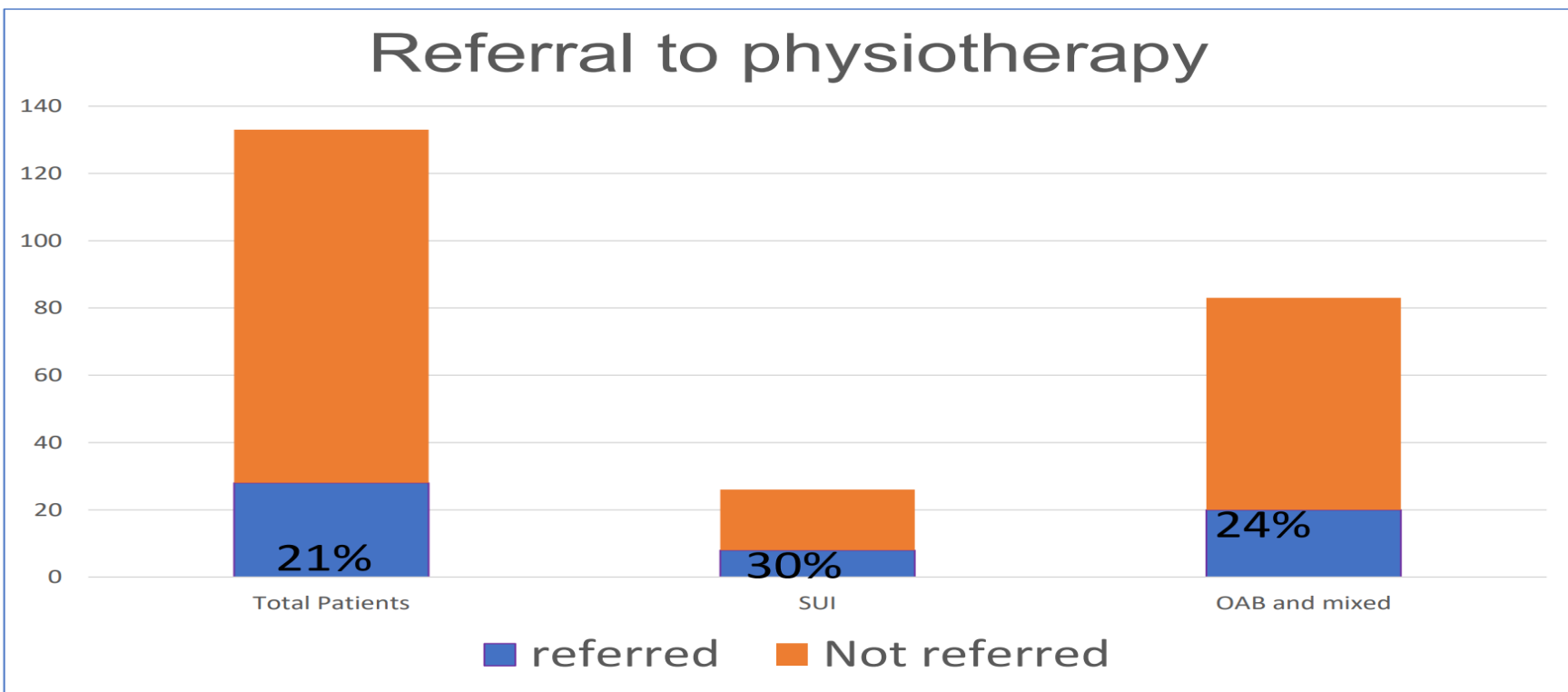


Figure 4 Completed physiotherapy

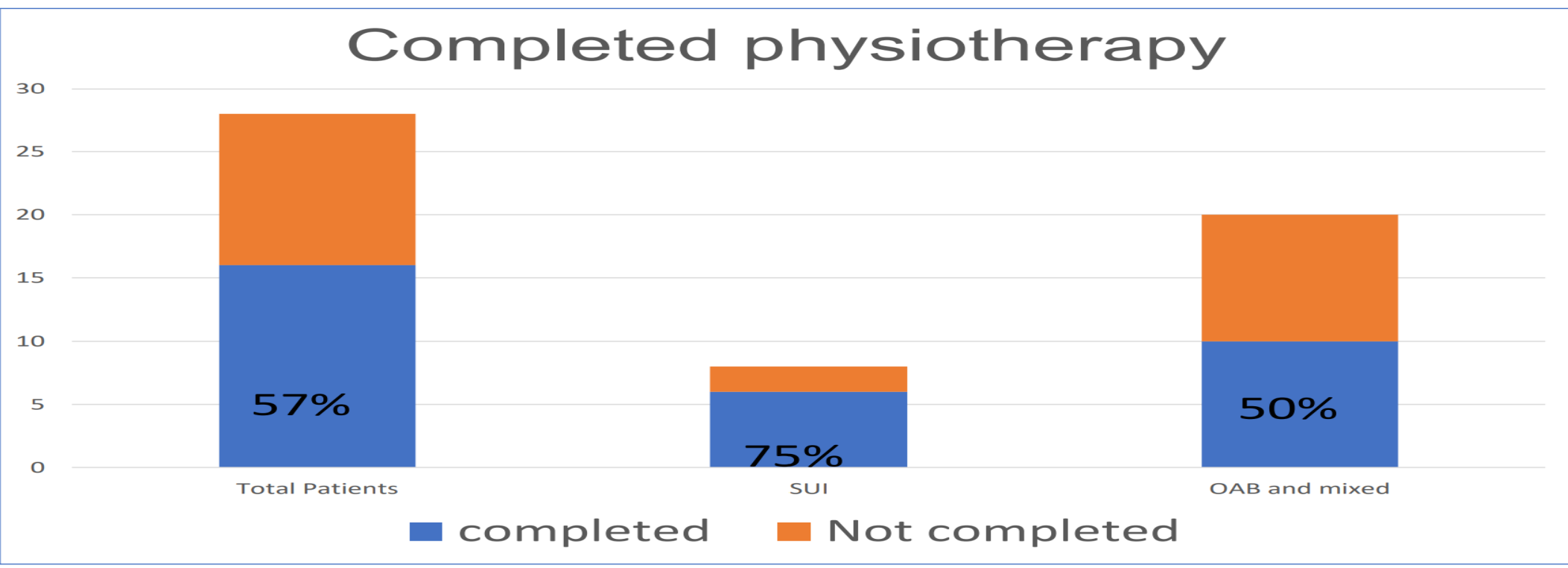


Figure 5 Referral to bladder training

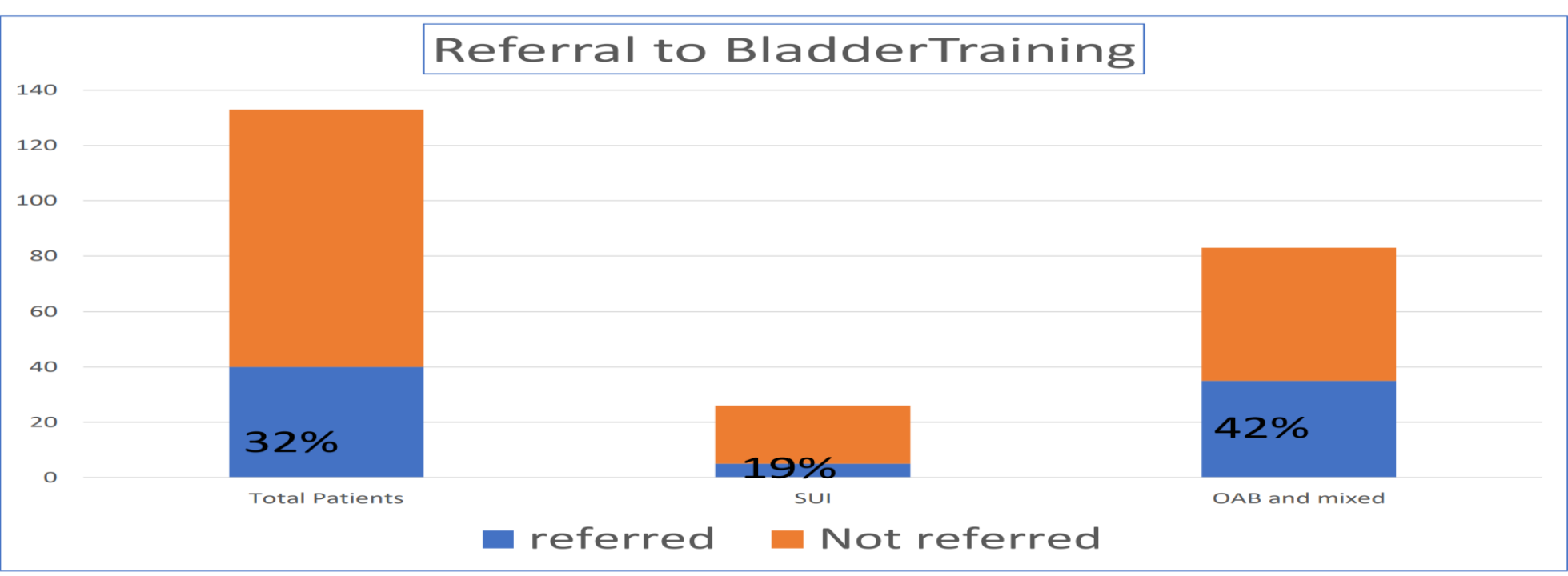


Figure 6 patients prescribed with medications

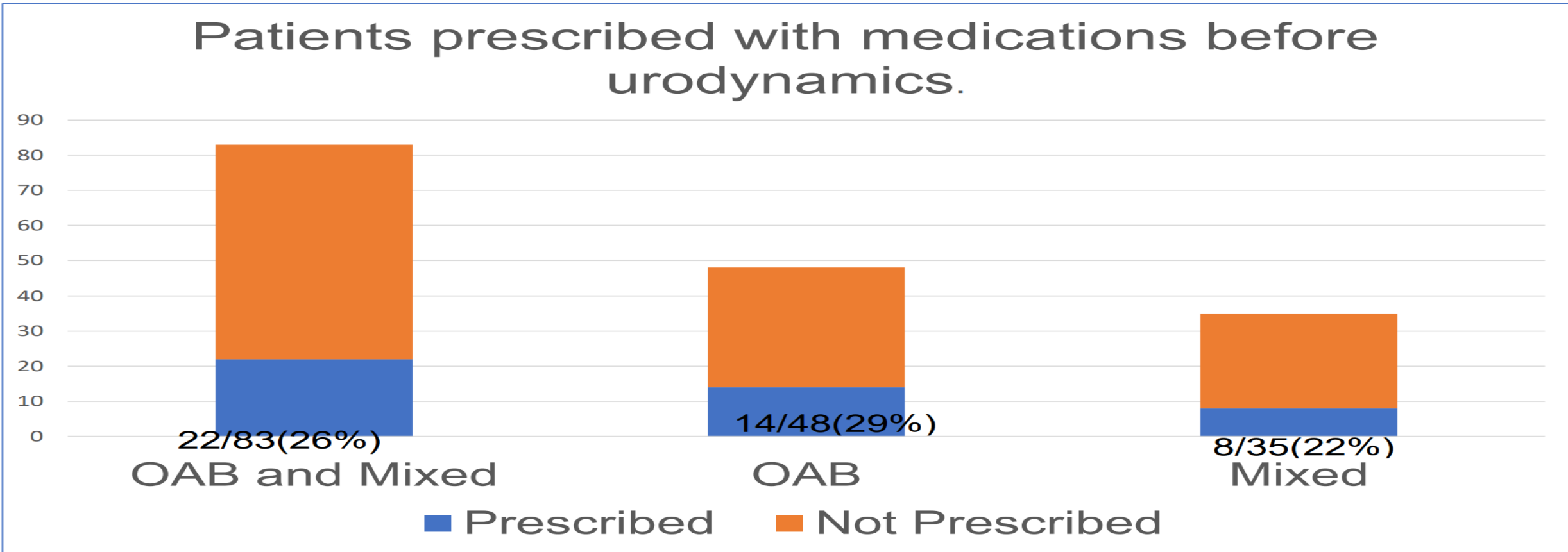


Figure 7 patients attending UDS

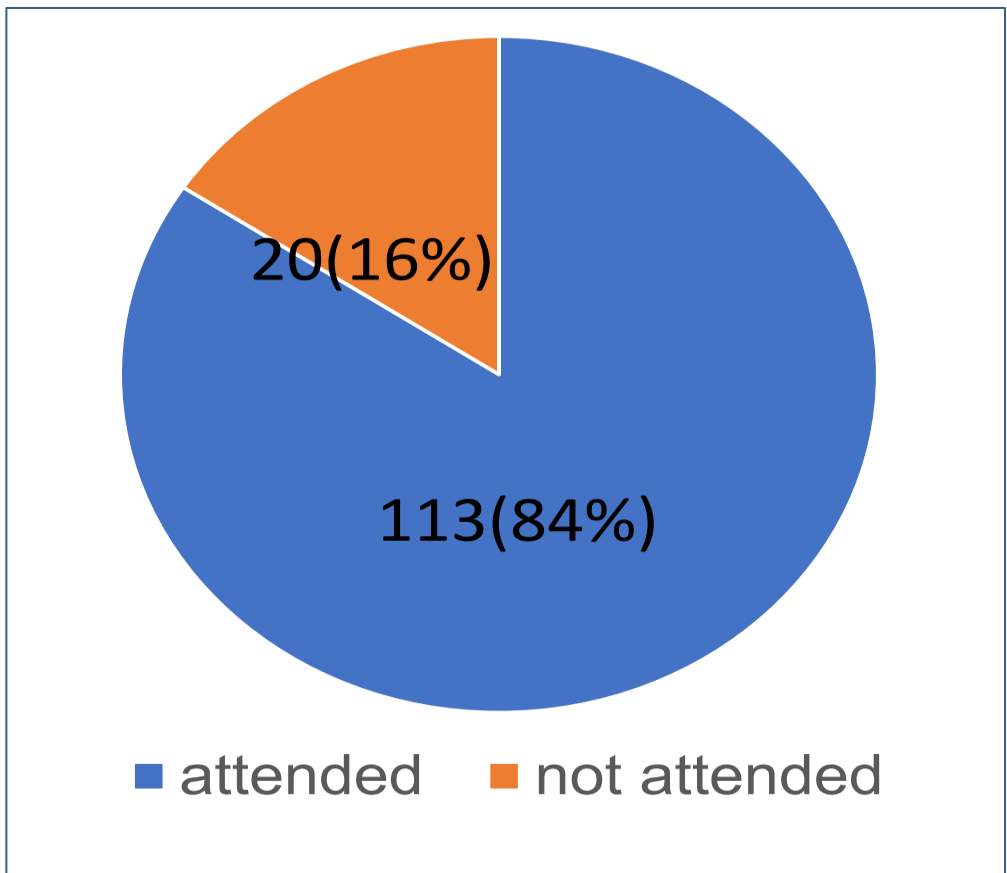


Figure 8 UDS performed

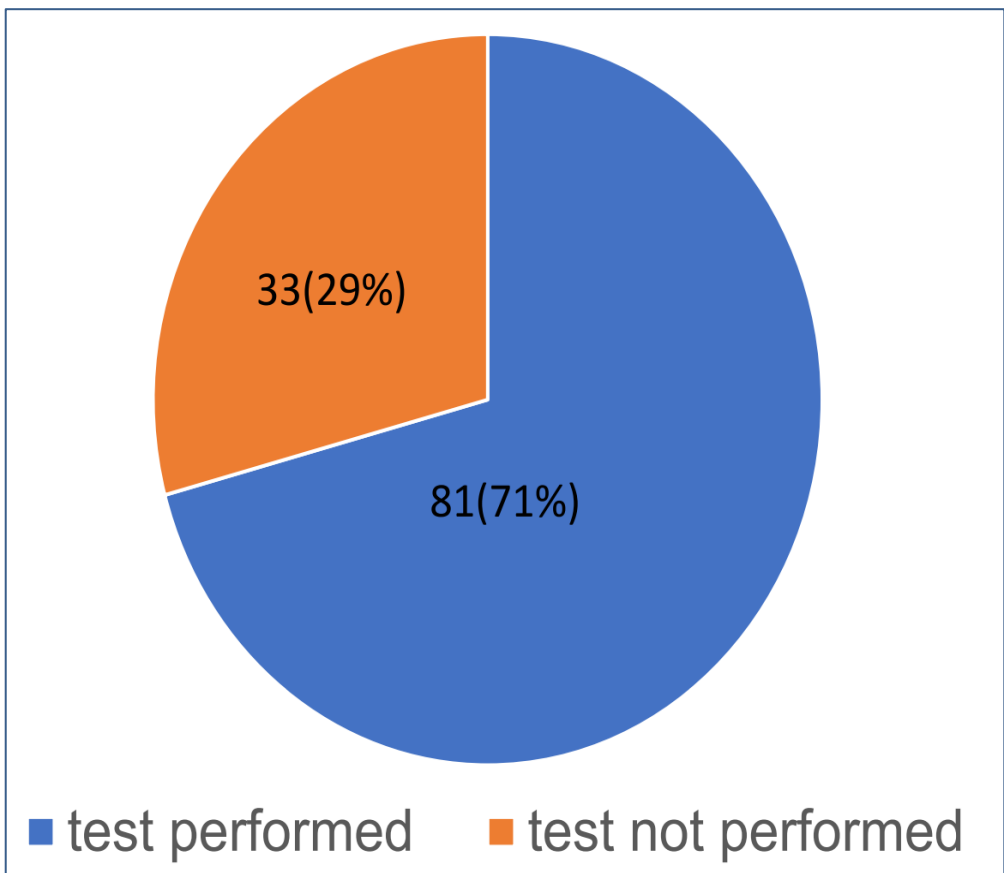
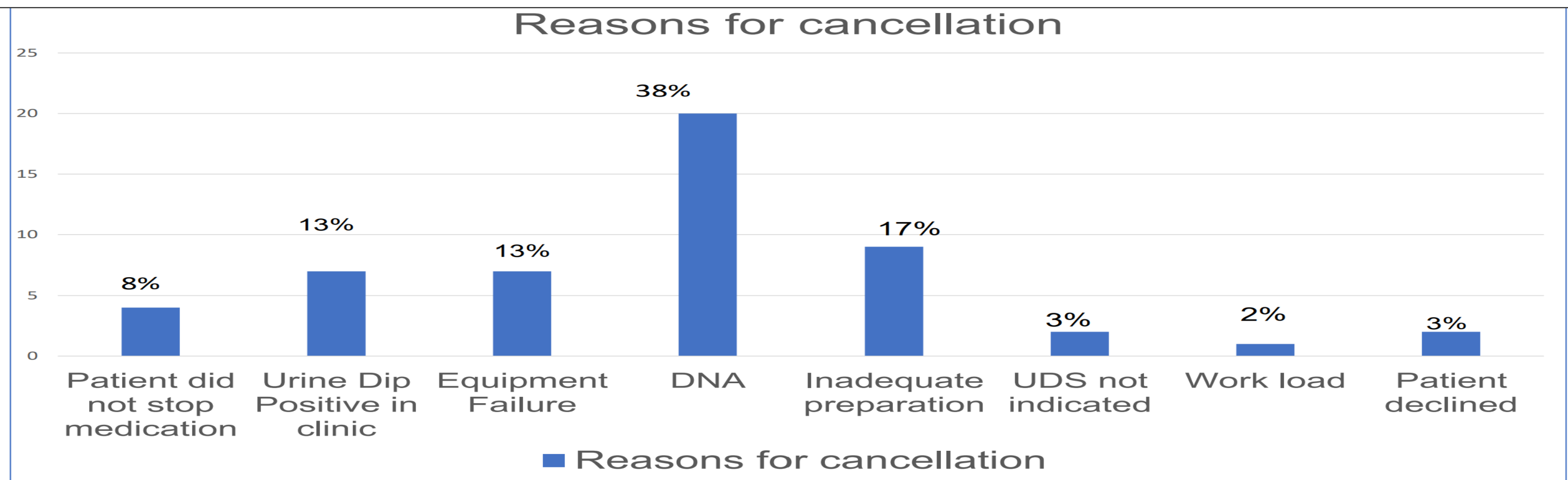


Figure 9 Reasons for cancellation



Discussion

Total Cancellations	52	100%	Cost	Recommendation
Patient did not stop medications 10-14 days prior to UDS	4	8%	£ 1372	Patient called 14days before test to ask to stop LUTs medication
Urine dip positive in clinic	7	13%	£ 2400	Patient has MSU done 7-10 days before test and treated if indicated
Equipment failure	7	13%	£2400	Maintenance contract(this has now been done ? Annual cost)
DNA	20	38%	6860	Patient called 14days before test
Inadequate preparation(passed urine in the clinic or came with empty bladder)	9	17%	£3087	Patient called 14days before test to explain procedure
Inappropriate referral	2	3%	686	Education and training: JD Thursday teaching; Audit day march 2025; GP training
Work load	1	2%	343	Clinic management (3UDS)
Patient declined the test on the test day	2	3%	686	Patient called 14days before test

- Complete information to the patients about procedure(leaflet, clinic) and preparation
- Calling patients 14 days before test for stopping medications and doing MSU 7-10 days before and treat if needed
- Appropriate referral- training GPs and health professionals
- Confirm patient appointment to avoid DNA
- Equipment maintenance
- Clinic management to avoid workload