

Title :- Effect of Bulkamid urethral injection as a treatment of SUI

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Audit type :- Loop closure audit

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Objective :- To find the effect of Bulkamid injection in the treatment of SUI. Can a simple day case surgery like Bulkamid injection prevent a complex SUI surgery?

Design :- It is a loop closure audit. Previous audit had an action plan to find the effect of single and repeat bulkamid injection.

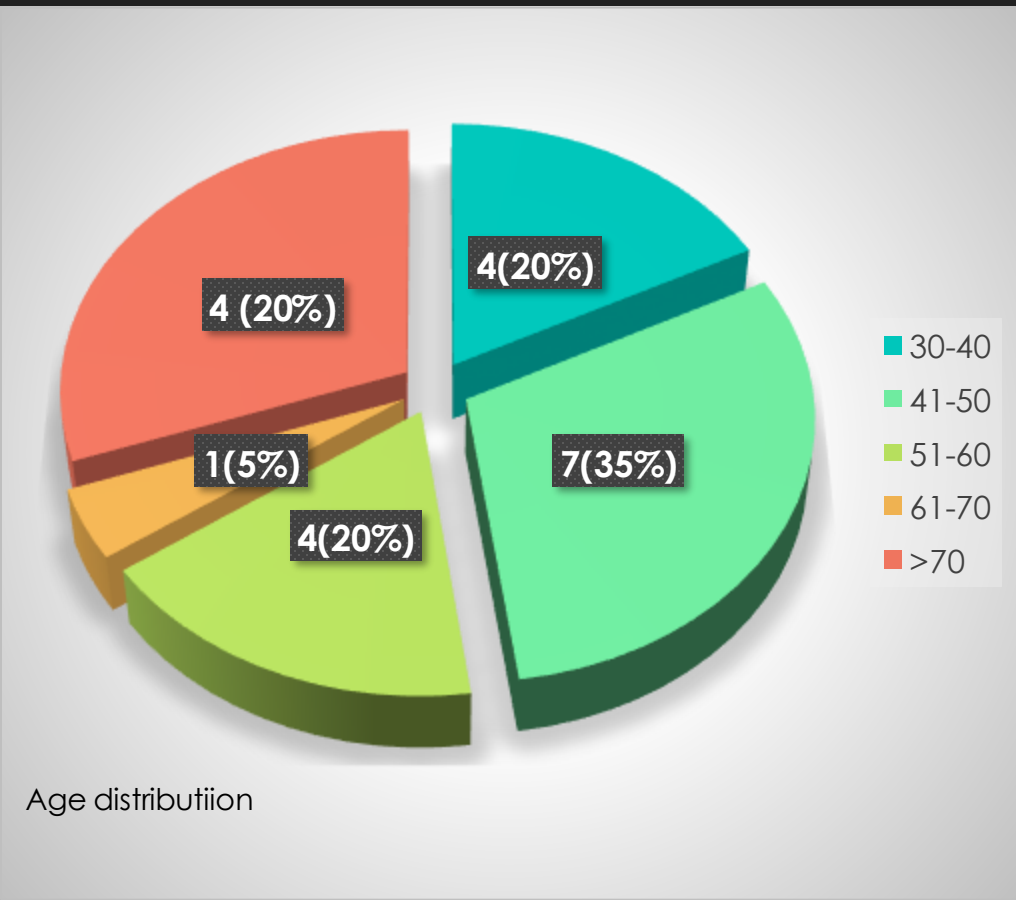
Method :-

We collected data from 1st January 2023 to 1st January 2024

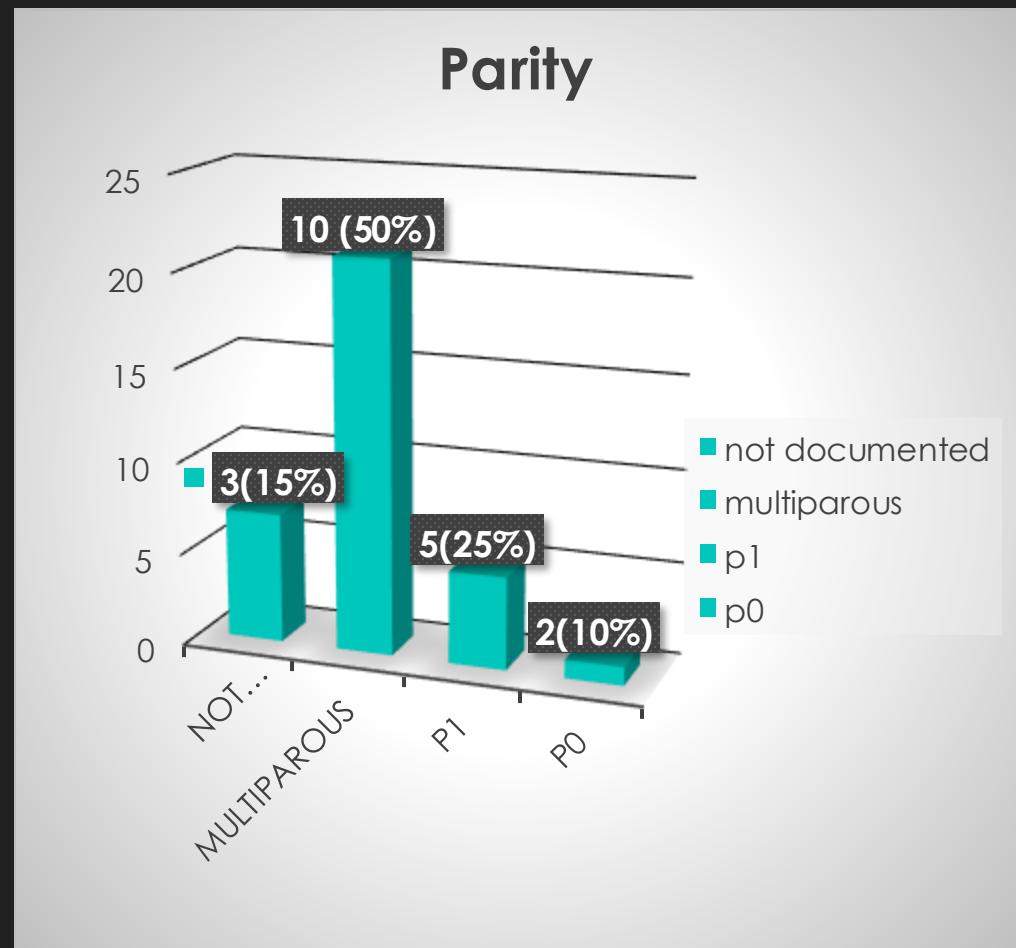
All 20 cases performed under theatre list were included.

12 patients had improvement with first bulkamid and 7 had improvement with second. Success was not documented in 1 case (Unknown)
We included the parameters such as age, parity and menopausal status, symptoms and signs, results of the urodynamic procedure, associated feature like prolapse and finally outcome of the procedure
We also included results of repeat Bulkamid procedure

Age distribution :- Highest Participation were between forty and fifty i.e 40%

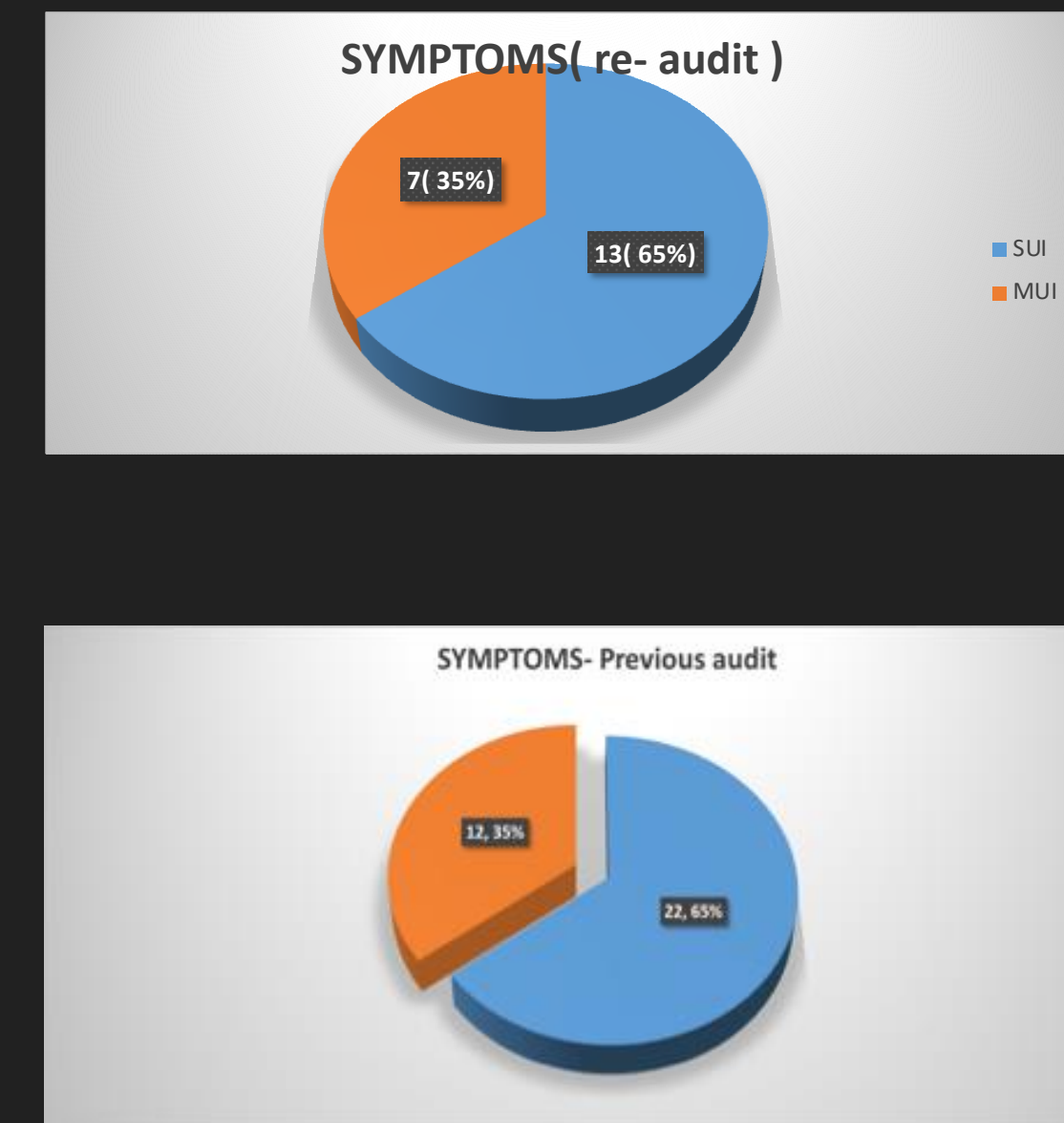


Parity distribution :-
50% Multiparous
25% Para 1
10% Nulliparous
15% Not documented

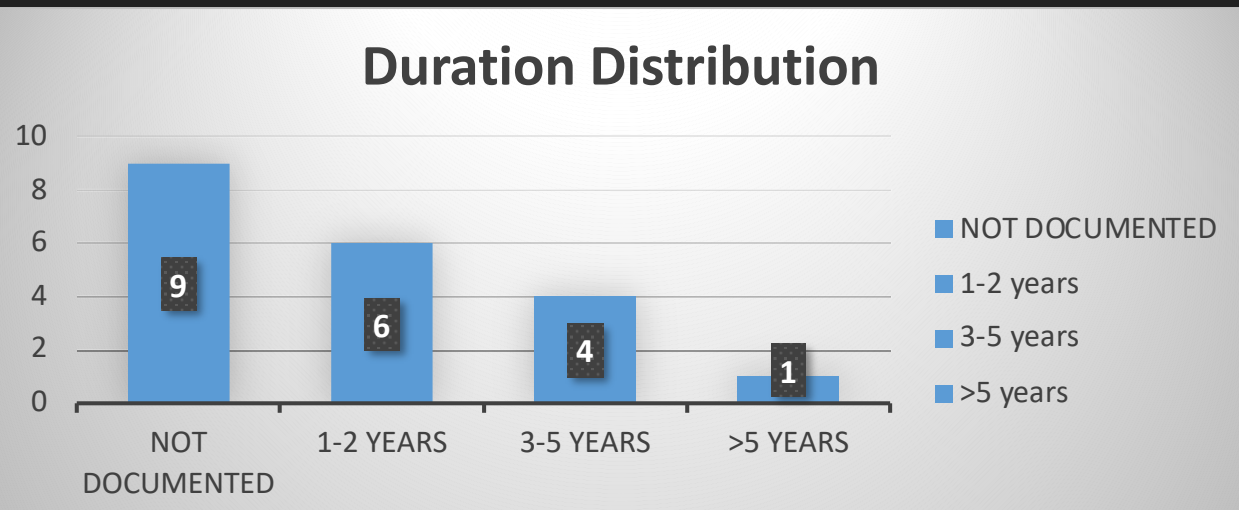


Symptom Distribution

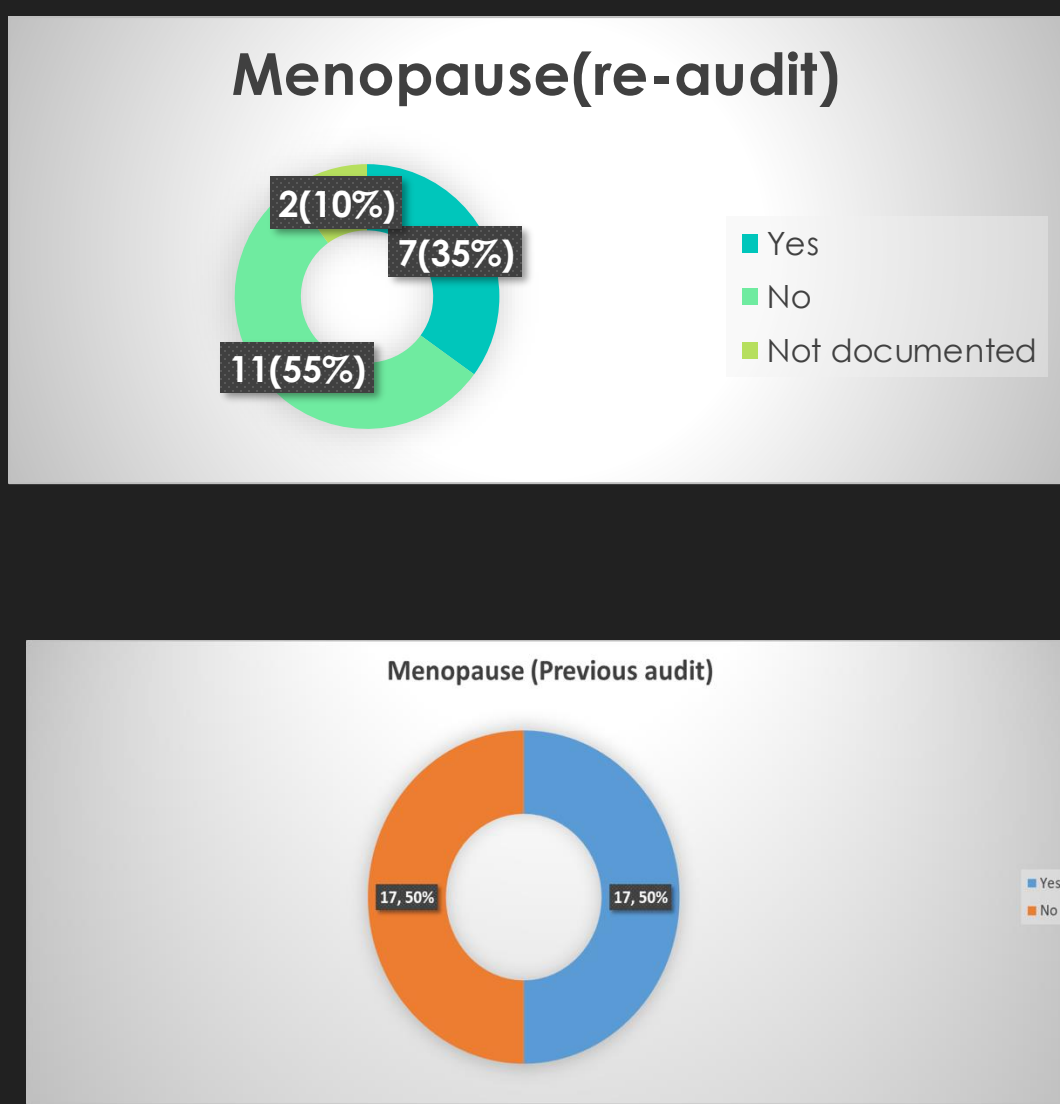
- 13(65%) had SUI
- 7(35%) had MUI



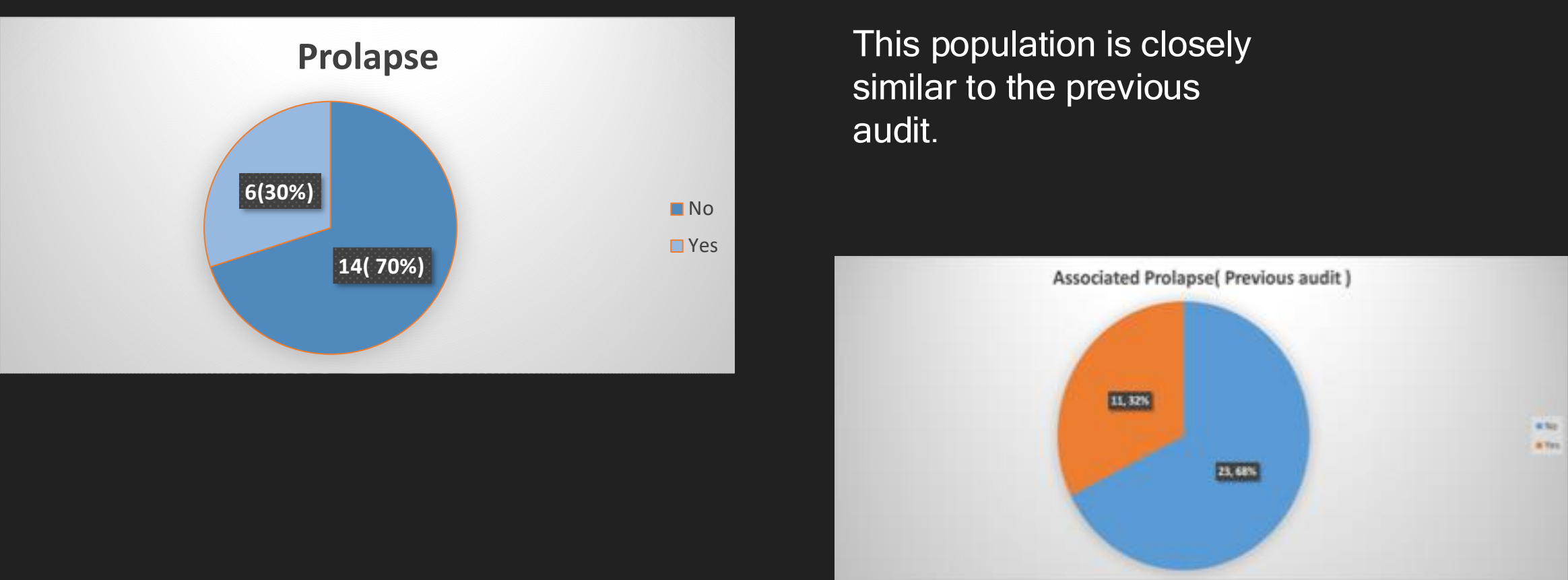
Duration of symptoms



Menopausal status :-



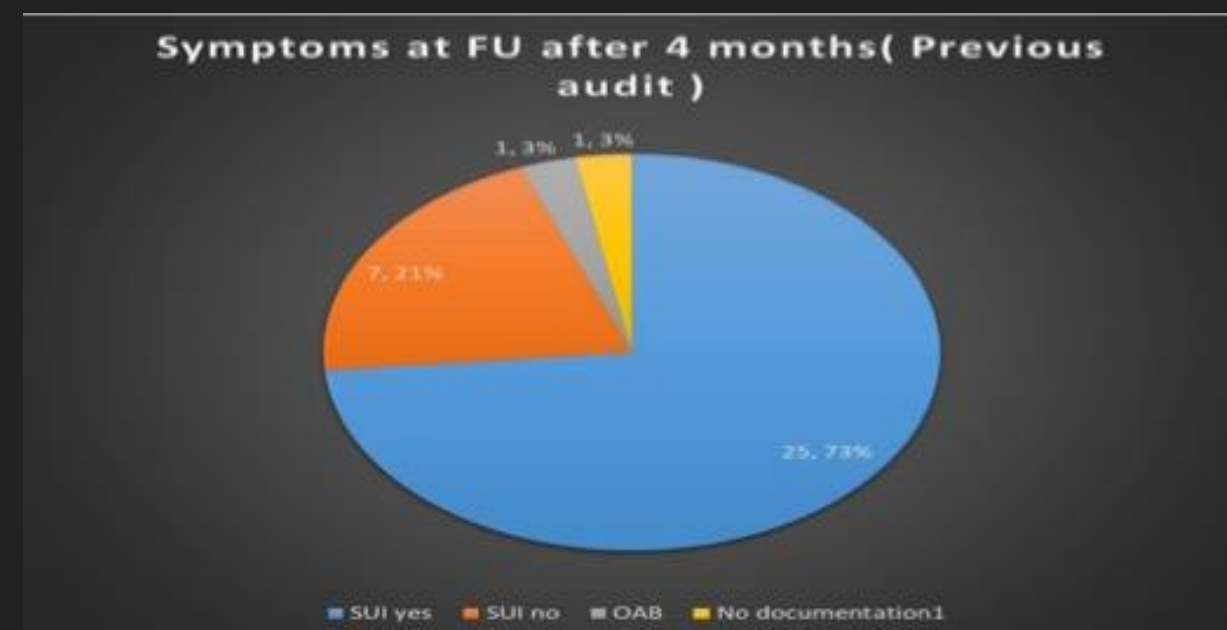
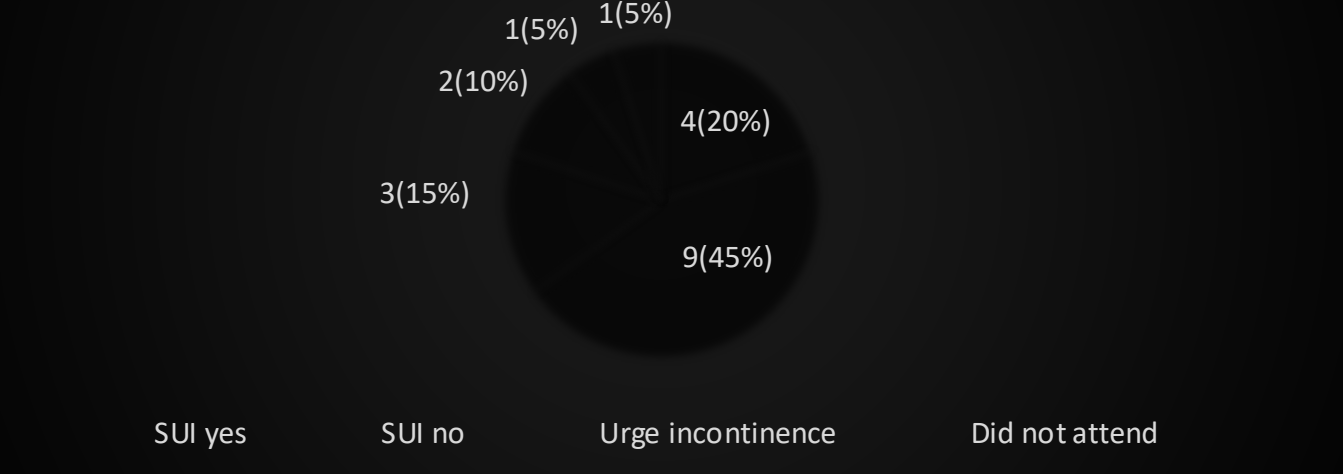
Associated prolapse :-



14 (70%) - No prolapse
6(30 %) - Prolapse . 2 (10%) had AP repair along with bulkamid

This population is closely similar to the previous audit.

Symptoms at FU after 4 months



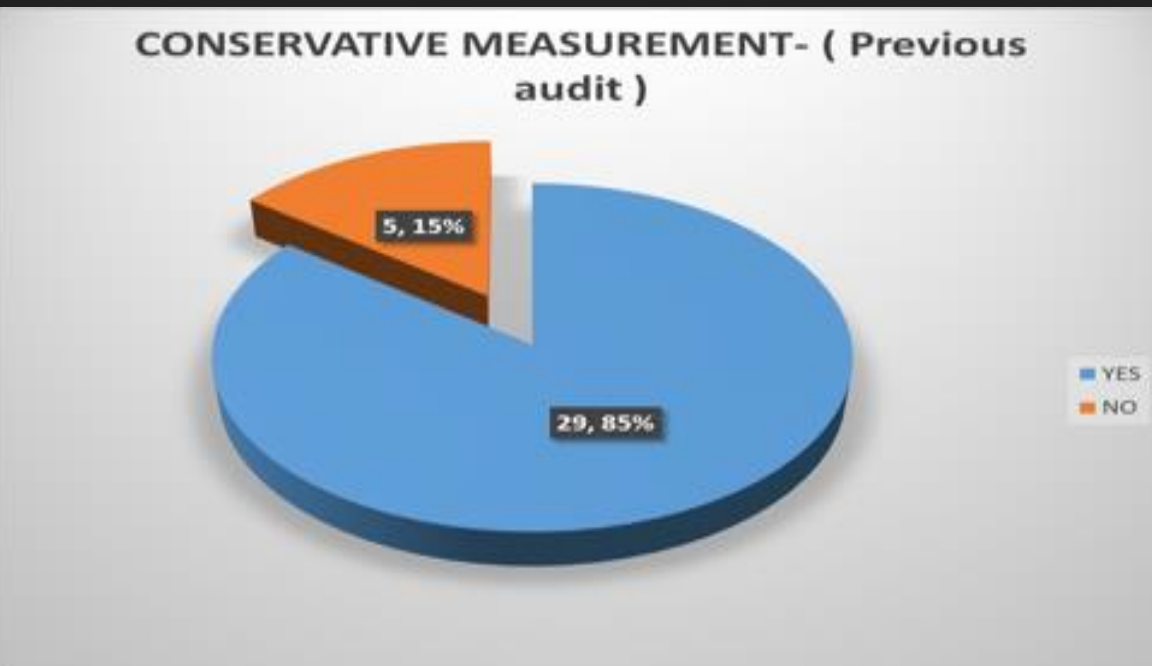
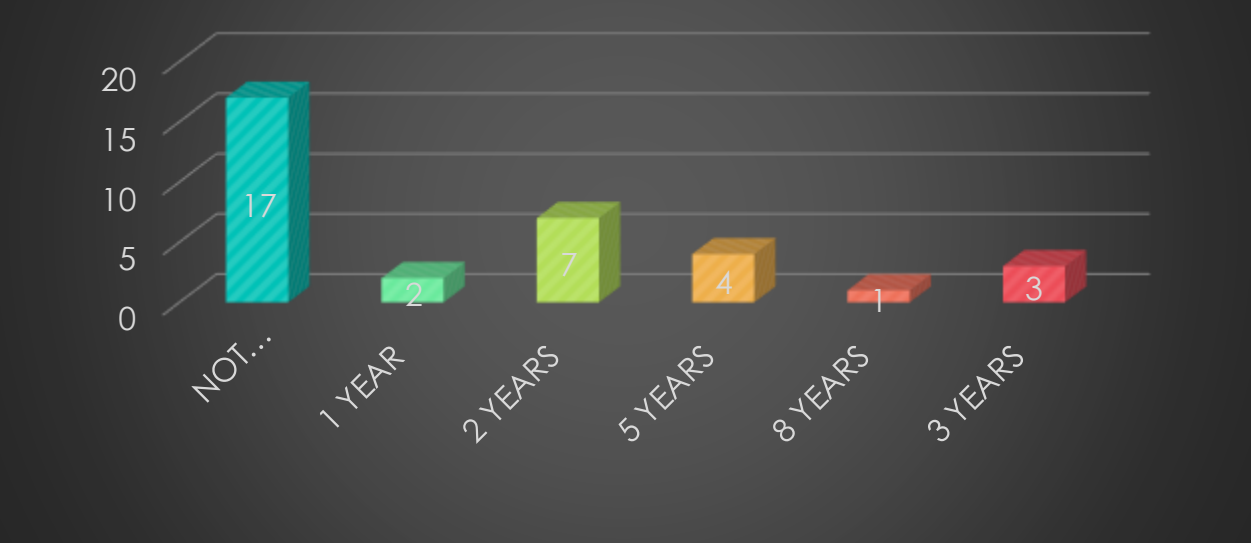
Symptoms at FU after 4 months :-

- 4(20%) had SUI compared to 73% from previous audit
- 9(45 %) had no SUI compared to 21% from previous audit
- 3(15%) - No documentation
- 2(10%)- Urgency incontinence
- 1(5%) - Did not attend
- 1(5 %) - Mixed incontinence

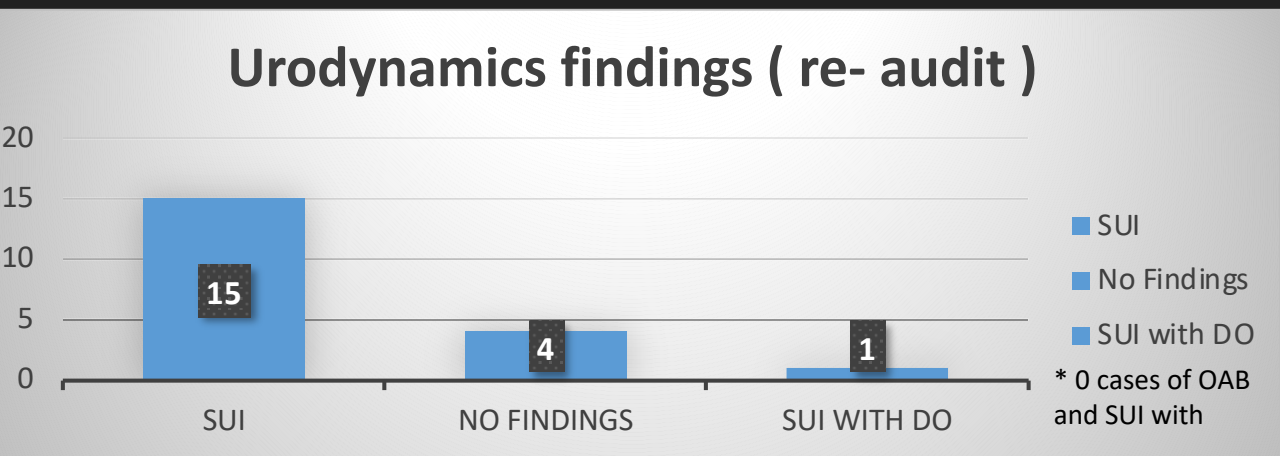
Re-audit data suggested that 45% of women had no documentation for duration of symptoms. This is just better than (5%) the previous audit data where 50% women had no documentation on duration of symptoms.

90% received from either primary or secondary care
10% had no documentation regarding conservative management. This data is slightly above the previous data where 85% have received conservative management.

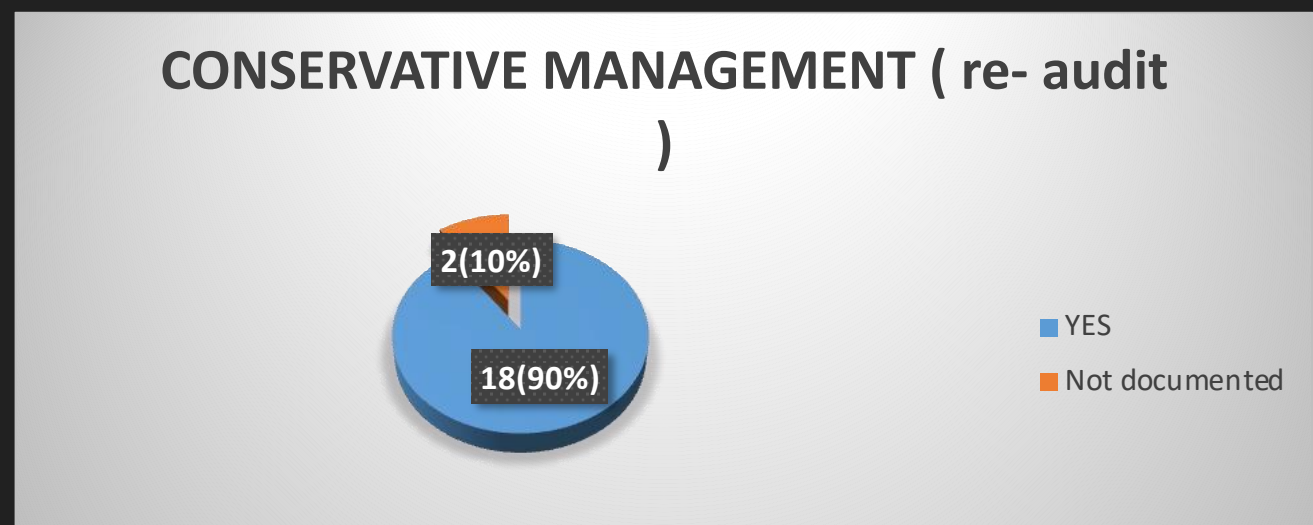
Duration Distribution



Urodynamic findings :-



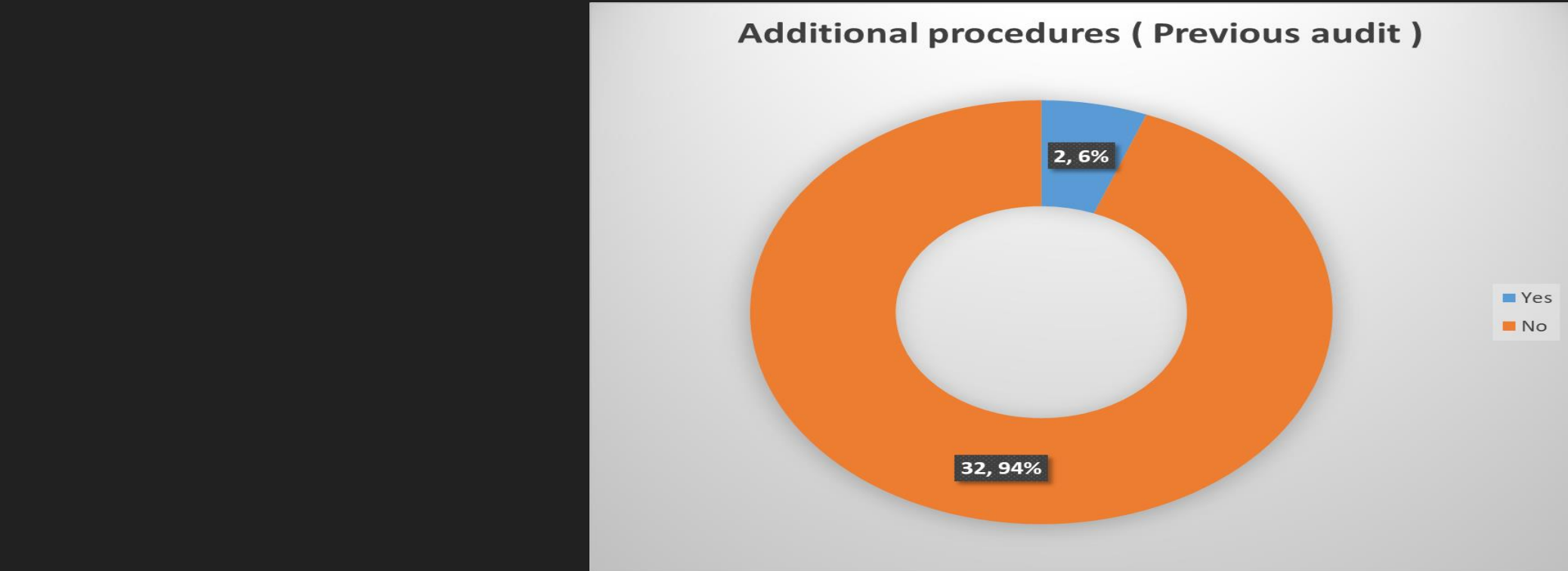
Conservative Management :-



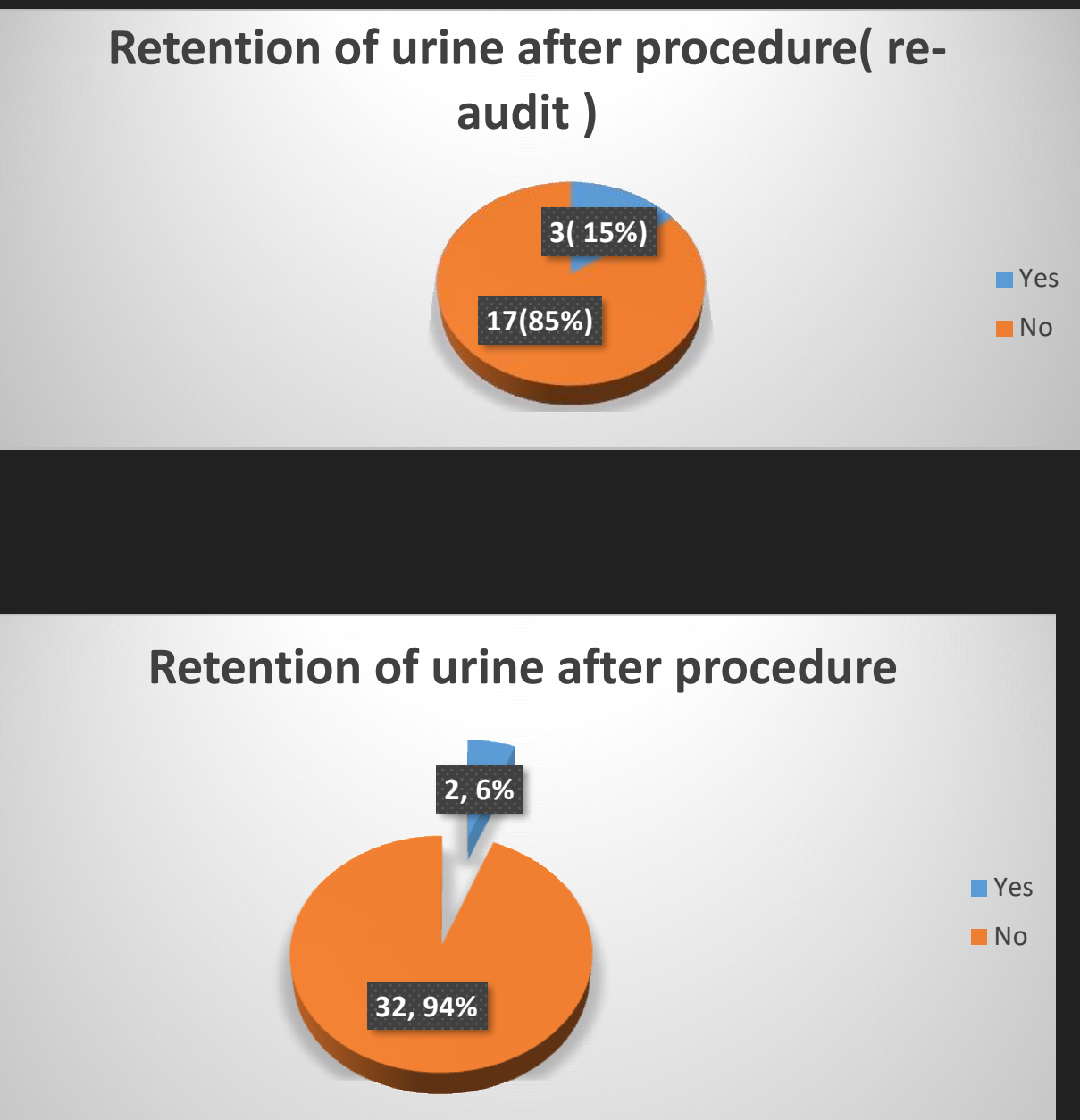
15(75%) - USI
4(20 %) No documentations
1(5%) - USI with DO

In previous audit, 91% of the population have shown urodynamic stress incontinence.
Re audit have shown 75% Urodynamic stress incontinence.

Additional procedures :-
2 had AP repair and 1 had diagnostic laparoscopy and Bulkamid.



Retention of urine post-procedure :-



Follow up of women with recurrence of SUI

All the women have a further management plan.
12 patients had success after 1 st bulkamid
7 patients had recurrence of SUI after 1 st bulkamid and had a repeat Bulkamid with success.
1 no documentation ? success
The result of repeat bulkamid is positive

The overall effect of a single and repeat bulkamid injection is positive. 19 (95 %) of women have been discharged following 1 st and second bulkamid with success. 1 (5%) of women success in unknown