

MANAGEMENT OF ENDOMETRIAL CANCER- AUDIT LOOP

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AIM:

- Data collection from fusion of cases with proven endometrial cancer from January 2023 to January 2024.
- Analyse findings.
- Compare findings with previous audit.
- Compare MRI accuracy.

FINDINGS:

- Total 47 patients
- 83% endometroid endometrial cancer
- Imaging: 65.95% had MRI pelvis,25.53% had CT TAP only, 4.25% had CT TAP and MRI, 4.25% had no imaging due to death, declined
- 85.1% had operative management. Figure 1 discusses the route of procedure at different centres.
- 57.5% operated in Walsall. 42.5% in cancer centre. Figure 2 highlights the procedure done.

MRI Findings:

- 31 MRI done
- 2 patients CT TAP and MRI
- Histology available for 28 (out of 33):
- 1 died, 1 unfit, 1 planned, 1 transfer of care and 1 awaite
- MRI accurate with FIGO Histology staging: 16 (57.15%)
- MR I overestimation: 6 (21.42%)
- MRI Underestimation: 6 (21.42%)

Figure 1: Route of Procedure

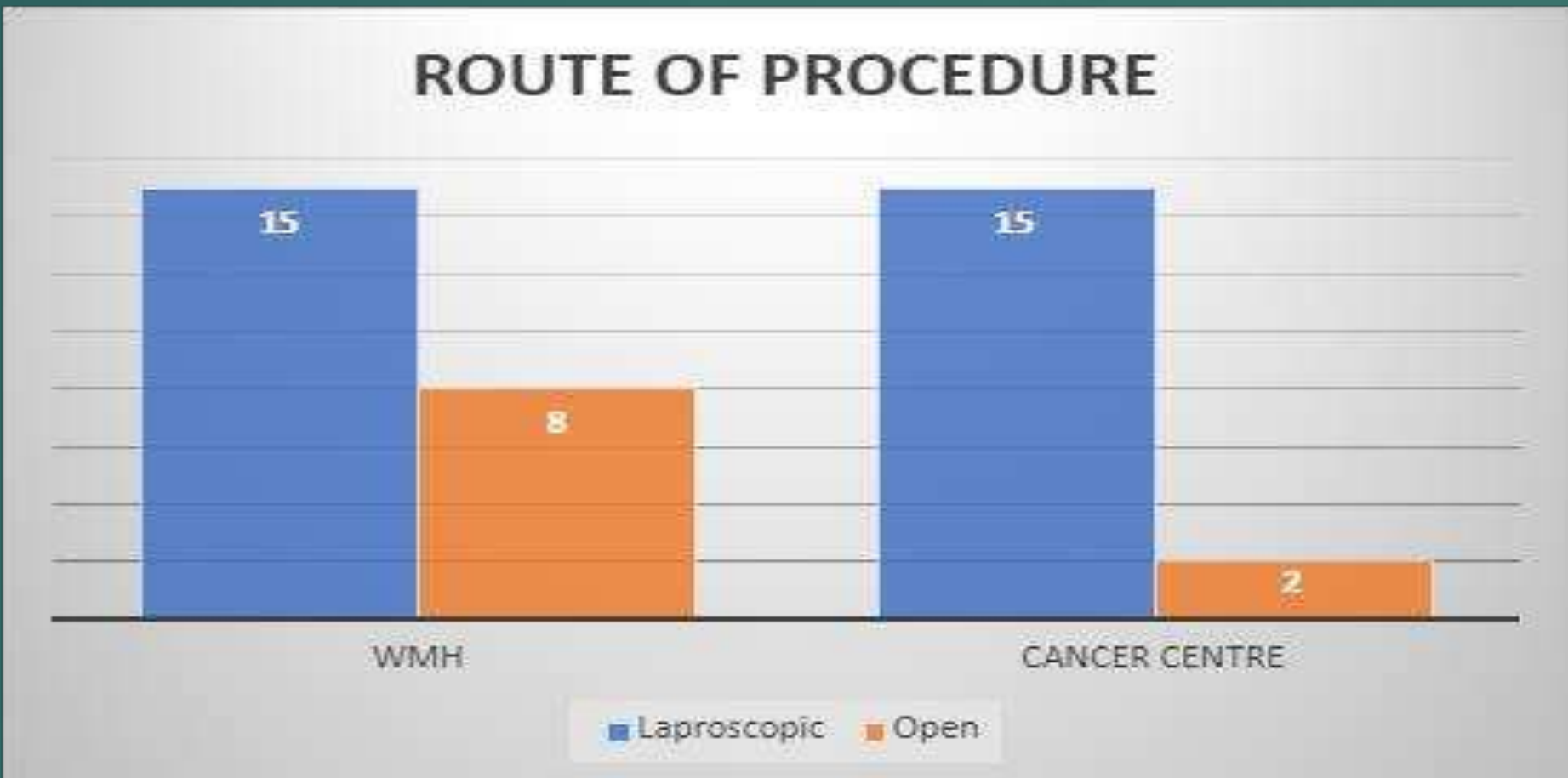
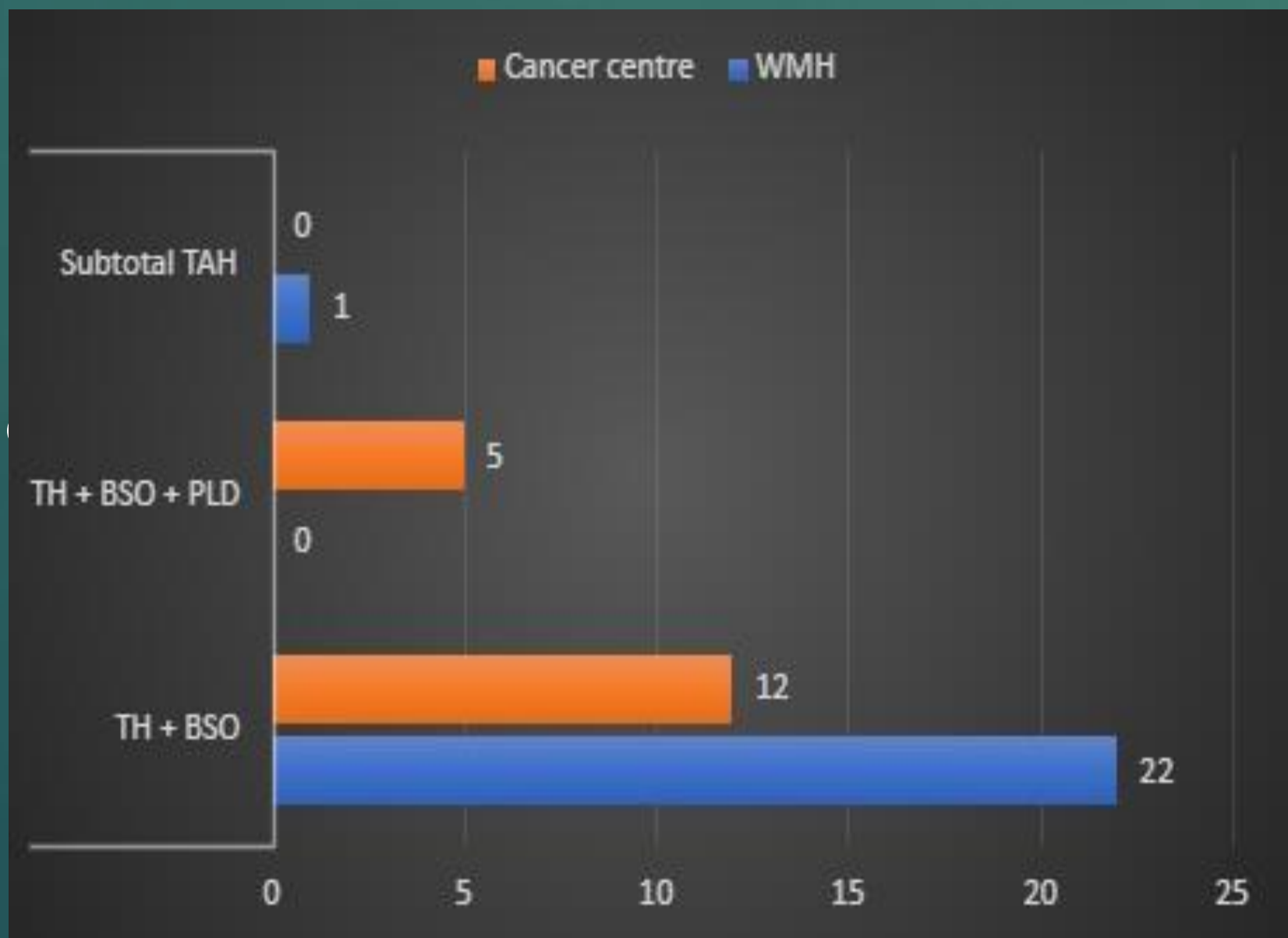


Figure2: Procedure done



COMPARISION OF THE TWO AUDIT FINDINGS:

PARAMETER	DATA 2019 -2020	DATA 2023 -2024
NUMBER	41	47
HISTOLOGY TYPE	ENDOMETRIOD 37 NON ENDOMETRIOD 4	ENDOMETRIOD 39 NON ENDOMETRIOD 8
PRE- OP IMAGING	MRI 23 CT 12 BOTH 2 NONE 6	MRI 31 CT 12 BOTH 2 NONE 2
OPERATIVE MANAGMENT	YES 32 NO 9	YES 40 NO 7
PLACE OF OPERATION	WALSALL 15 CANCER CENTRE 17	WALSALL 23 CANCER CENTRE 17

COMPARISION OF THE MRI FINDINGS:

- MRI accuracy decreased by 26.85%
- MRI overestimated by 10.9%
- MRI underestimated by 16.16%. Please see figure 3.

DISCUSSION:

- MRI accuracy is auditable standards in Pan Birmingham Gynaecology Centre¹ and in ESMO. But this is not in our BGCE guideline.
- 84% MRI accuracy suggested by American college of Radiology. Pretreatment Evaluation and Follow-Up of Endometrial Cancer (acr.org)³
Evidence of Staging accuracy up to 74% in studies in 2024².

RECOMMENDATIONS:

- Review for change in MRI accuracy: feedback to the department.
- ❖ Should we make MRI a standard for endometrial cancer patients in our BGCE guidelines.

REFERENCES:

- <https://themanor.xwalsall.nhs.uk/SharedFiles/Download.aspx?pageid=2032&mid=3041&fileid=8204>
- Can MRI Accurately Diagnose and Stage Endometrial Adenocarcinoma? -PMC (nih.gov)
- Pretreatment Evaluation and Follow-Up of Endometrial Cancer (acr.org)

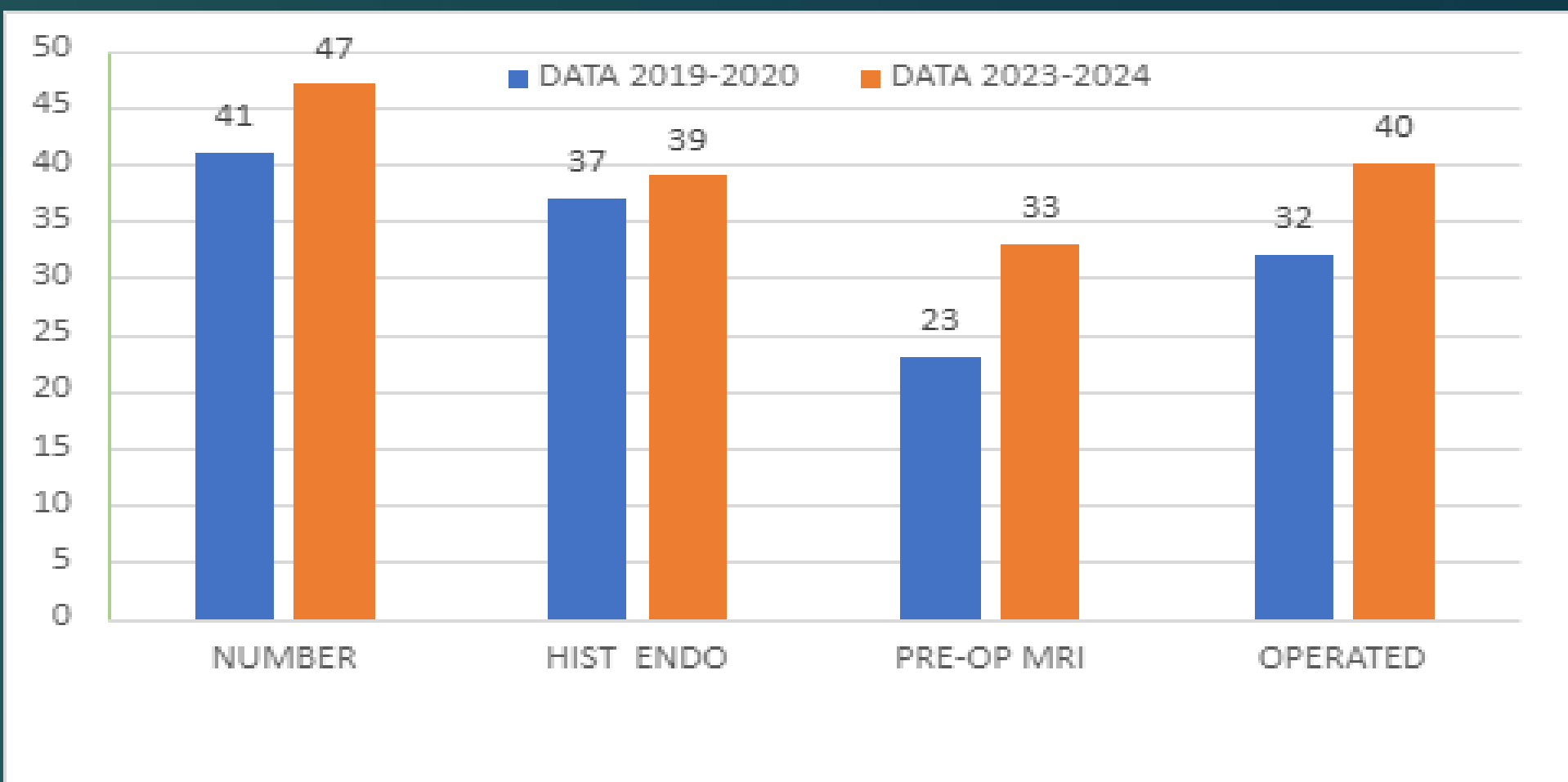


Figure 3: Comparision of MRI

