Irradiated Blood Transfusion QIP

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AIMS

Primary:
- Check compliance of highlighting patients who require irradiated blood

Secondary:
- Check indication for irradiated blood
- Collect data on the number of irradiated blood units transfused (by indication)
- Improve patient safety & staff awareness

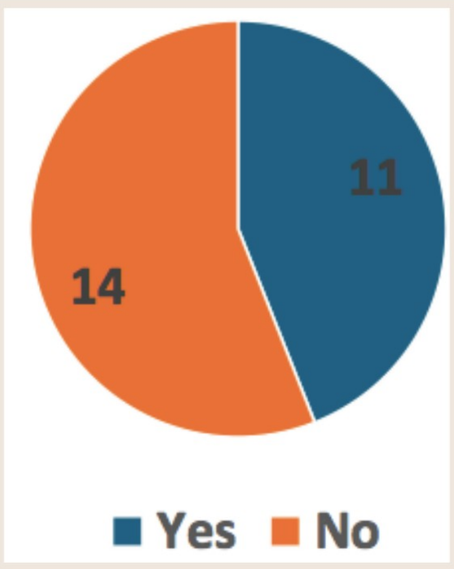
METHODOLOGY

- Retrospective audit across a 1 year period from Jan 2025 - 2026
- Data collected from blood bank
- Audit proforma used
- Data stored & analysed in excel

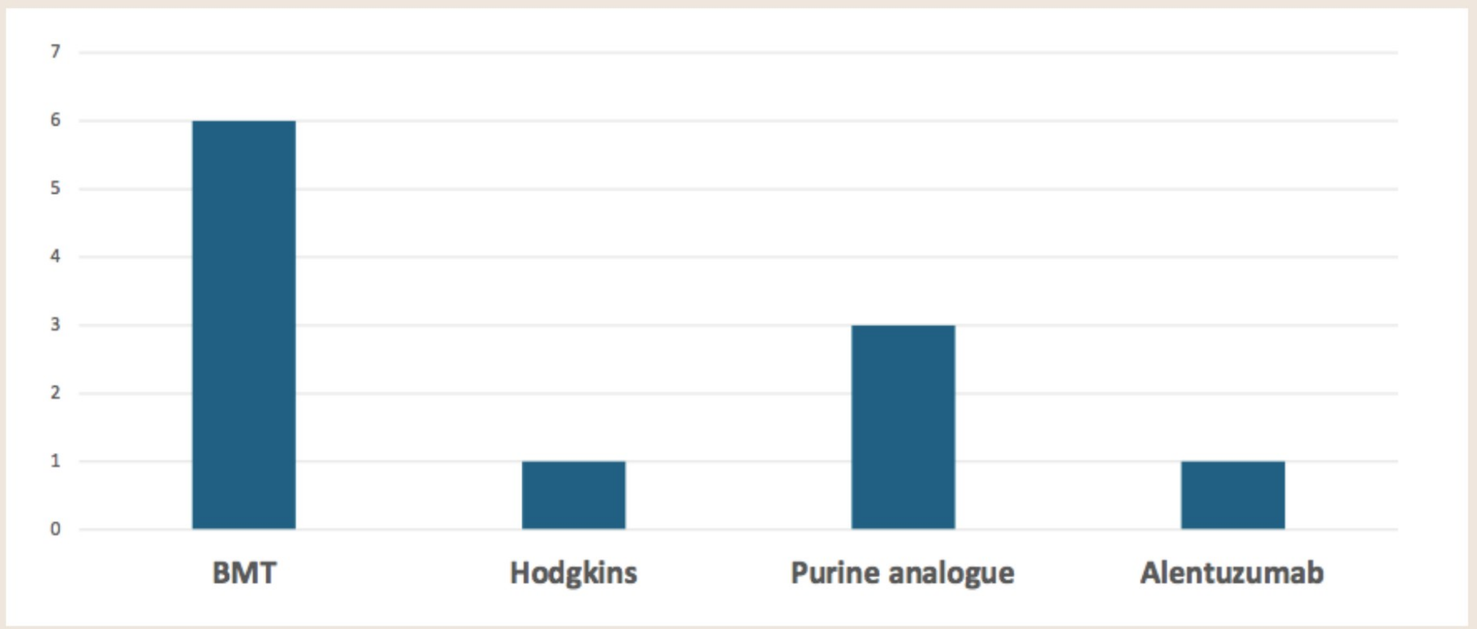
Sample size= 25

Pt age range 31-86 yrs, median age = 64yrs

IRRADIATED BT: INDICATED VS NON-INDICATED



INDICATIONS FOR IR BT



SUMMARY & CONCLUSIONS

- 100% compliance for IR blood transfusion for those indicated
- 14 (56%) received IR blood- who did not require it (avoid wastage)
- IR blood has shorter life span
- There is a slight premium of £12.93 for irradiated blood. Regular units cost £186.51and Irradiated units cost £199.44.

RECOMMENDATIONS

- Requesting staff to clearly identify and highlight by
- Online alert
- Sticker in the notes
- Document on the intranet with clear indications for irradiated blood
- Patient counselling
- Irradiated Blood Alert Card/ bracelet for patient

FUTURE PLAN

DISSEMINATE THE FINDINGS TO TEAM

ACT ON THE RECOMMENDATIONS

RE-AUDIT IN 6 MONTHS TO COMPLETE THE AUDIT CYCLE

REFERENCES

Foukaneli, T., Kerr, P., Bolton-Maggs, P.H.B., Cardigan, R., Coles, A., Gennery, A., Jane, D., Kumararatne, D., Manson, A., New, H.V., Torpey, N. and the BCSH Committee (2020), Guidelines on the use of irradiated blood components. Br. J. Haematol., 191: 704-724. https://doi.org/10.1111/bjh.17015

