ADOPTING AN INTEGRATED APPROACH TO SUPPORTIVE CARE IMPROVES END NHS The Clatterbridge OF LIFE CARE FOR PATIENTS WITH SEVERE IMMUNOTHERAPY TOXICITY **Cancer Centre NHS Foundation Trust**

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Introduction

Immunotherapy has revolutionised cancer care by providing a treatment option for cancers with historically poor prognoses, providing a realistic option for prolonging survival¹. However, alongside widespread role out of this therapy has come an increased appreciation of immunotherapy toxicities¹ According to Cancer Research UK, up to 27% of patients receiving an Immune Checkpoint Inhibitor (ICI) will develop severe or life threatening toxicity² and one study has reported the mortality rate from immune-related toxicity as 4%³. It has been our observation at our centre that patients dying from immunotherapy toxicity die quickly, with poorer symptom control and less opportunity to engage with advance care planning. However there is little knowledge to enable us to predict which patients will die of their toxicities. One approach at out centre has been to integrate our supportive care service with immunotherapy toxicity services to try to enable smoother end of life care for patients if they are admitted with immunotherapy toxicity and then die from it. Aim: To investigate the impact of creating an integrated supportive care service, including palliative care and immunotherapy toxicity services, on the end of life outcomes for those who die of immunotherapy toxicity



- care triggered by this initiative is the weaning of immunosuppressants by the toxicity team when dying is recognised-it is possible that weaning steroids before the end of life was a factor in the lower rates of terminal agitation noted after the integration.
- Whilst the proportion of patients seeing palliative care increased from 25.7% to 37.6% and this was statistically significant, the improvements in patient care more likely reflect the impact the integration had on the other members of the team.
- As well as advance care plans occurring to a greater extent post-integration, they also occurred earlier, indicating that this is an example of an element of care delivered earlier by the integrated team alongside active toxicity management.

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In September 2021 we integrated palliative care and immunotherapy toxicity services. This was characterised by establishing: a shared governance structure for supportive care, co-led by a palliative care consultant and medical oncologist; a shared education program; shared clinical pathways to enable holistic care regardless of practitioner; and an integrated research agenda across teams. It became accepted practice for palliative care to see patients receiving inpatient care for immunotherapy toxicities to engage in advance care planning and address symptoms alongside the management of those toxicities, even in patients who had been cured by their immunotherapy. It also became standard practice for palliative care services to be involved in the supportive care of patients receiving immunotherapy from an earlier point in an admission, even in they did not have immunotherapy toxicity diagnosed. For patients who then deteriorated, the palliative care team were already engaged. In May 2023, a retrospective case note review was undertaken comparing end of life care metrics for patients dying before and after September 2021. This included patients dying of immunotherapy toxicity.

This study is valuable for its observation of trends and difficulties in recognising and responding to dying in patients with immunotherapy even though there is insufficient data here to recommend interventions which specifically will cater for this group. Further prospective work to examine the role supportive care services in supporting people receiving immunotherapy including palliative care would help to define how these services integrate best and at which points in the patient's treatment to yield optimal outcomes for patients regardless of prognosis.

References

Method