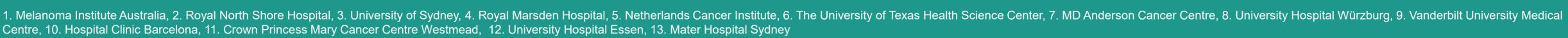


Management of infliximab refractory immune checkpoint inhibitor gastrointestinal toxicity: A multicentre case series

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Background

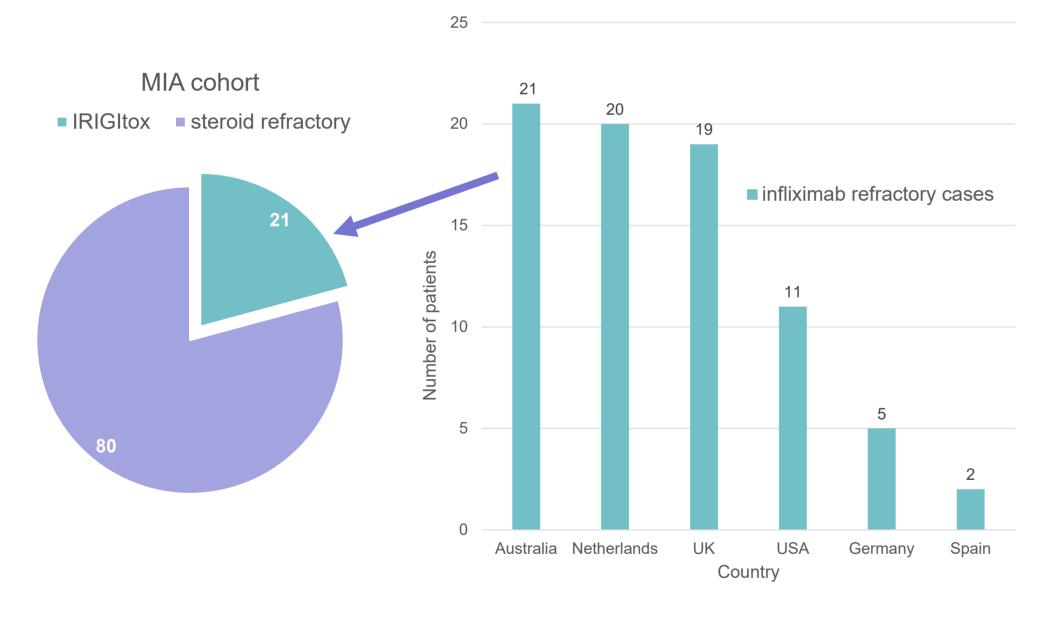
- Immune checkpoint inhibitor (ICI) GI toxicity is a major cause of morbidity and, rarely, treatment-related death1
- Infliximab (IFX) is standard management for steroid refractory cases²
- Optimal management on IFX refractory tox (IRIGItox) is unknown

Objectives

- Estimate the prevalence of patients with GI toxicity who are both steroid and IFX refractory (MIA cohort)
- Describe the investigation and management IRIGItox
- Assess the efficacy of post IFX interventions
- · Assess survival outcomes stratified by post IFX intervention

Methods

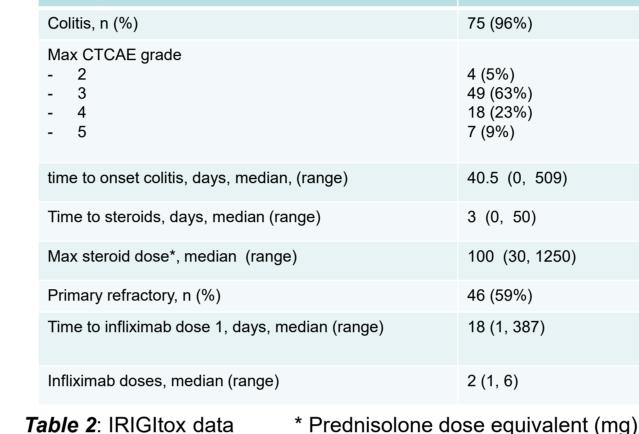
- International retrospective case series
- Data extracted regarding demographics, steroid use, response and survival.
- Incidence of IRIGItox estimated in primary cohort (MIA, Australia)



N= 78 pts were identified (Figure 1).

- 21 /101 (21%) of pts who received IFX met the definition of IRIGItox (MIA cohort)
- Baseline characteristics shown in Table 1.
- GI toxicity data shown in Table 2.
- Across all pts, 106 post infliximab treatments were given. Type of post IFX treatment is shown in Table 3.

Variable	N=78
Age, median (range)	60 (31, 87)
Male, n (%)	44 (56%)
Melanoma, n (%)	70 (90%)
Treatment setting, n (%) - Neo-adjuvant - Adjuvant - Metastatic	6 (8%) 17 (22%) 55 (70%)
Index ICI n (%) - CTLA4/ PD1 - PD1 - CTLA4	50 (65%) 18 (23%) 9 (12%)



Results

Table 2: IRIGItox data

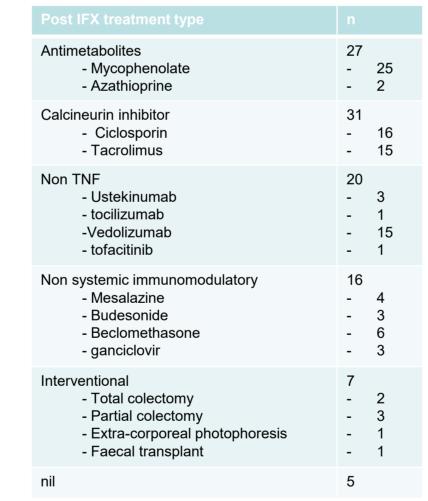
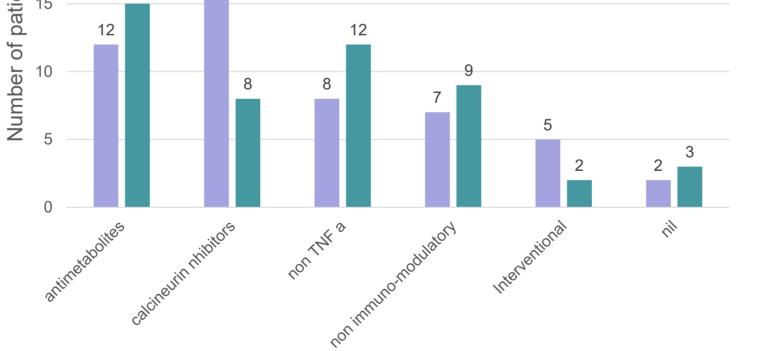


Table 1: Baseline characteristics



resolution

Table 3: Post IFX treatments Figure 2: Resolution by post IFX treatment

- Calcineurin inhibitors and intervention approaches were most likely to result in toxicity resolution (23 (74%), 5 (71%)) (Figure 2).
- Time to resolution and time to steroid wean was shortest for calcineurin inhibitors (Figure 3).

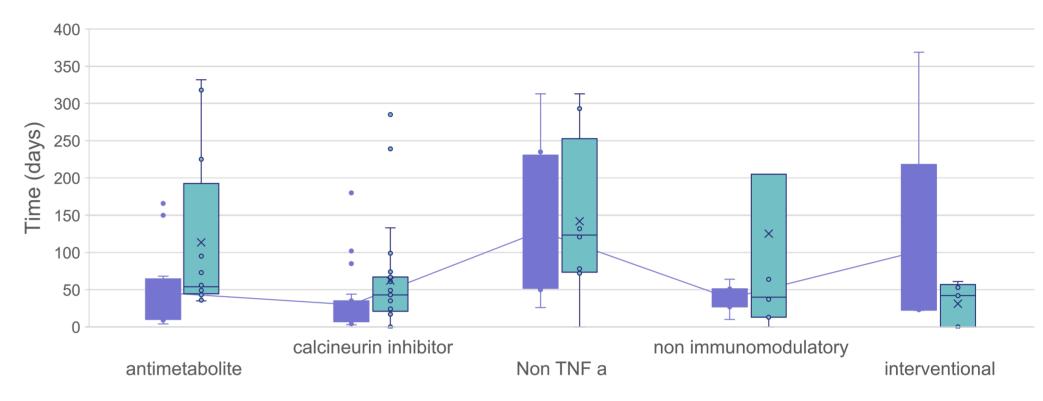


Figure 3: By post IFX treatment:time to resolution (days); time to steroid wean (days)

- Exploratory overall survival data is shown in Figure 4.
- Nil intervention, calcineurin inhibitors and antimetabolites exhibited a trend to poorer OS

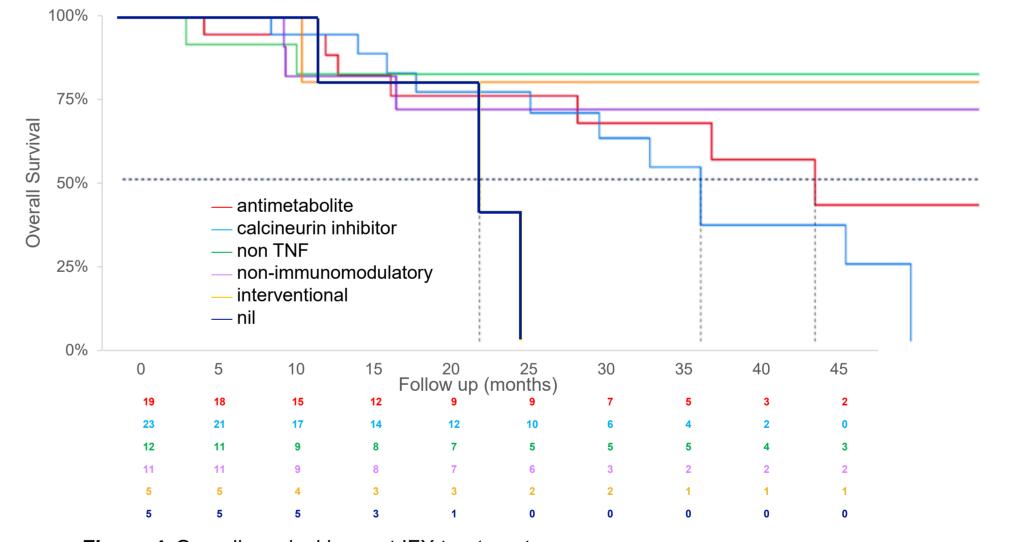


Figure 4: Overall survival by post IFX treatment

Conclusions

- 1 in 5 patients with steroid refractory ICI GI toxicity are also refractory to infliximab
- Management is heterogeneous
- Calcineurin inhibitors are most likely to result in toxicity resolution and the quickest time to steroid wean
- However, calcineurin inhibitors are associated with poorer overall survival

References

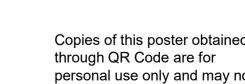
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case series

the dataset

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Figure 1: IRIGItox Cases by country, prevalence IRIGItox MIA