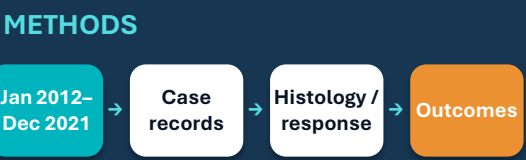


01 WHY THIS STUDY?

BACKGROUND / RATIONALE
Primary mediastinal germ cell tumor (PMGCT) is rare, contributing only **15%** of mediastinal tumors. It comprises only **1% to 3%** of all GCTs.

CLINICAL QUESTION
How do treatment patterns and outcomes vary among patients with PMGCT in real world practice?



COHORT

25

PMGCT

26% of 95 GCT

All males

Median age 26 y

Range 13–40 y

02 THE DATA STORY

PMGCT

→

SEMINOMA

↔

NSGCT

40%

SEMINOMA

10 patients

Median PFS = NR

5-year OS = 100%

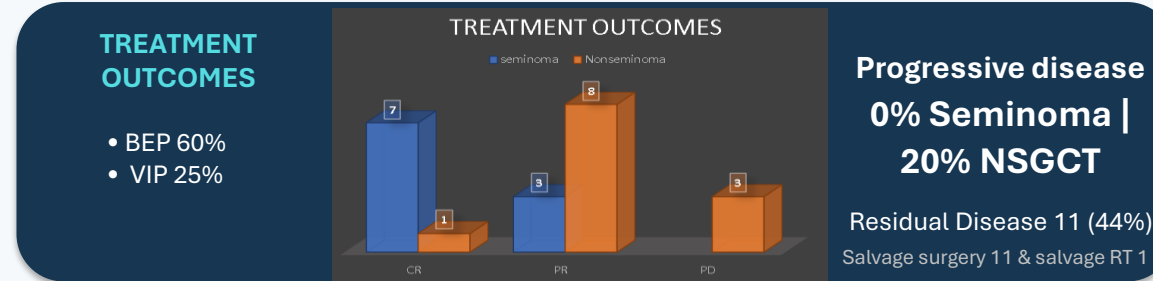
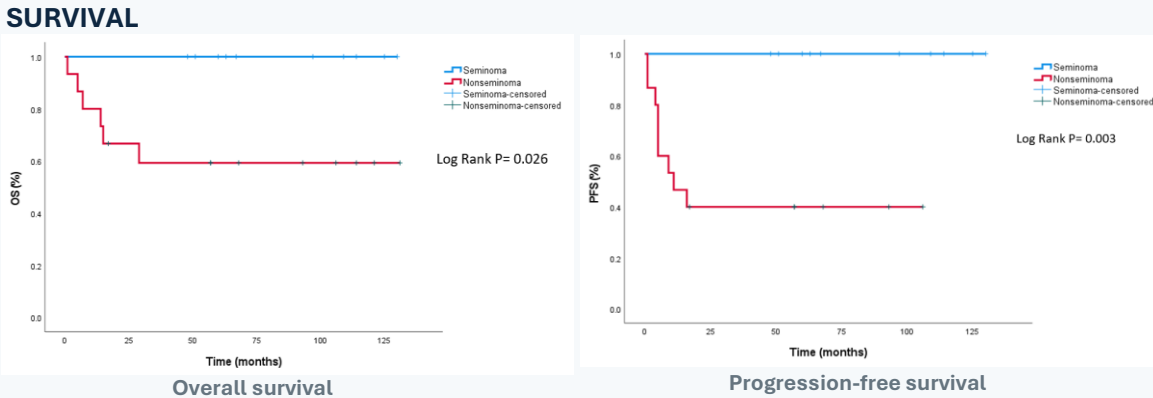
60%

NSGCT

15 patients

Median PFS = 11 months

5-year OS = 59%



Toxicity

- neuropathy 32% • febrile neutropenia 30% • fertility issues 8% • 1 bleomycin pulmonary toxicity

SURVIVAL HIGHLIGHT

100%

8-year OS Seminoma

52%

NSGCT alive at median 8-year follow-up

03 WHY IT MATTERS ?

KEY TAKEAWAY

- Seminoma demonstrated markedly favourable long-term outcomes.
- NSGCT was associated with poorer treatment response and survival.
- There is need for further research to improve outcomes of primary mediastinal NSGCT.

TAKE-HOME MESSAGE

Mediastinal seminoma showed favorable survival, while mediastinal NSGCT demonstrated poorer response and prognosis.