

An international randomised phase 3 trial of accelerated versus standard BEP chemotherapy for adult and paediatric male and female patients with intermediate and poor-risk metastatic germ cell tumours: P3BEP (ANZUP 1302)

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1. Background and rationale

Bleomycin, Etoposide, Cisplatin (BEP) administered as 4 x 3-weekly cycles is standard first-line treatment for patients with metastatic germ cell tumours (GCT) with poor prognostic features.

High-dose chemotherapy and more complex regimens have failed to improve cure rates and are more toxic.

Accelerating regimens of standard 3-weekly chemotherapy to 2-weekly cycles has improved cure rates in other malignancies.

Results from an Australian phase I/II trial^{1,2} and a UK trial³ confirmed that accelerating standard chemotherapy for GCT is safe, feasible, and active: The 5-year PFS was 94% and 50%, and 5-year OS was 94% and 92%, for intermediate and poor prognosis patients, respectively.²

2. Aim

To determine if accelerated BEP is superior to standard BEP as first-line chemotherapy for intermediate and poor risk metastatic GCT.

3. Study Design

Design: Open label, randomised, stratified, 2-arm, multicentre, 2-stage, phase 3 trial.

Target Population: Participants aged 11 to 45 years with intermediate or poor-risk metastatic GCT arising in testis, ovary, retroperitoneum, mediastinum considering first-line chemotherapy.

Sample Size: 150 (stage I) and 500 (stage II) patients gives >80% power at 5% level of significance to detect a 20% improvement in response rate from 59% with standard BEP to 80% with accelerated BEP (stage I), and 7% absolute improvement in 2yr PFS from 81% with standard BEP to 88% with accelerated BEP (stage II), respectively.

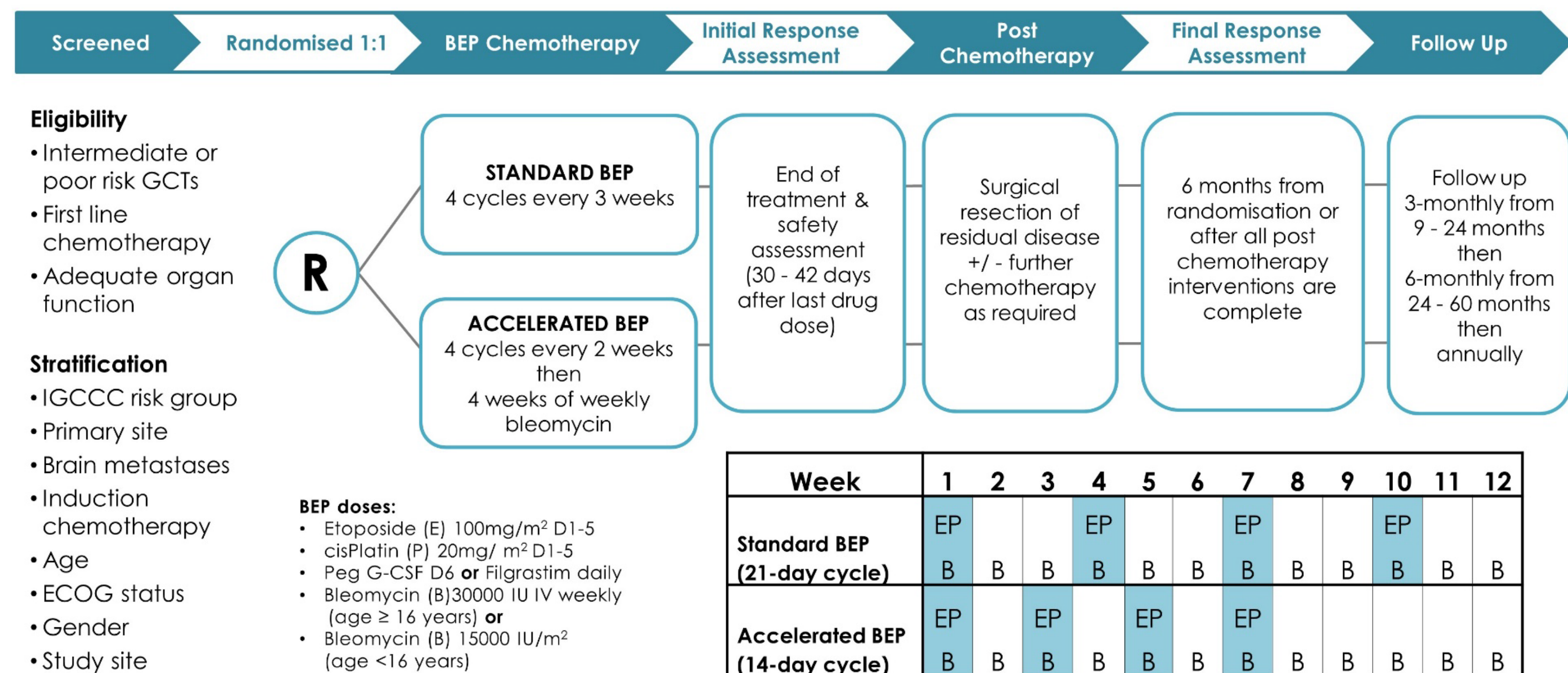
4. Study Objectives

Primary
Progression free survival

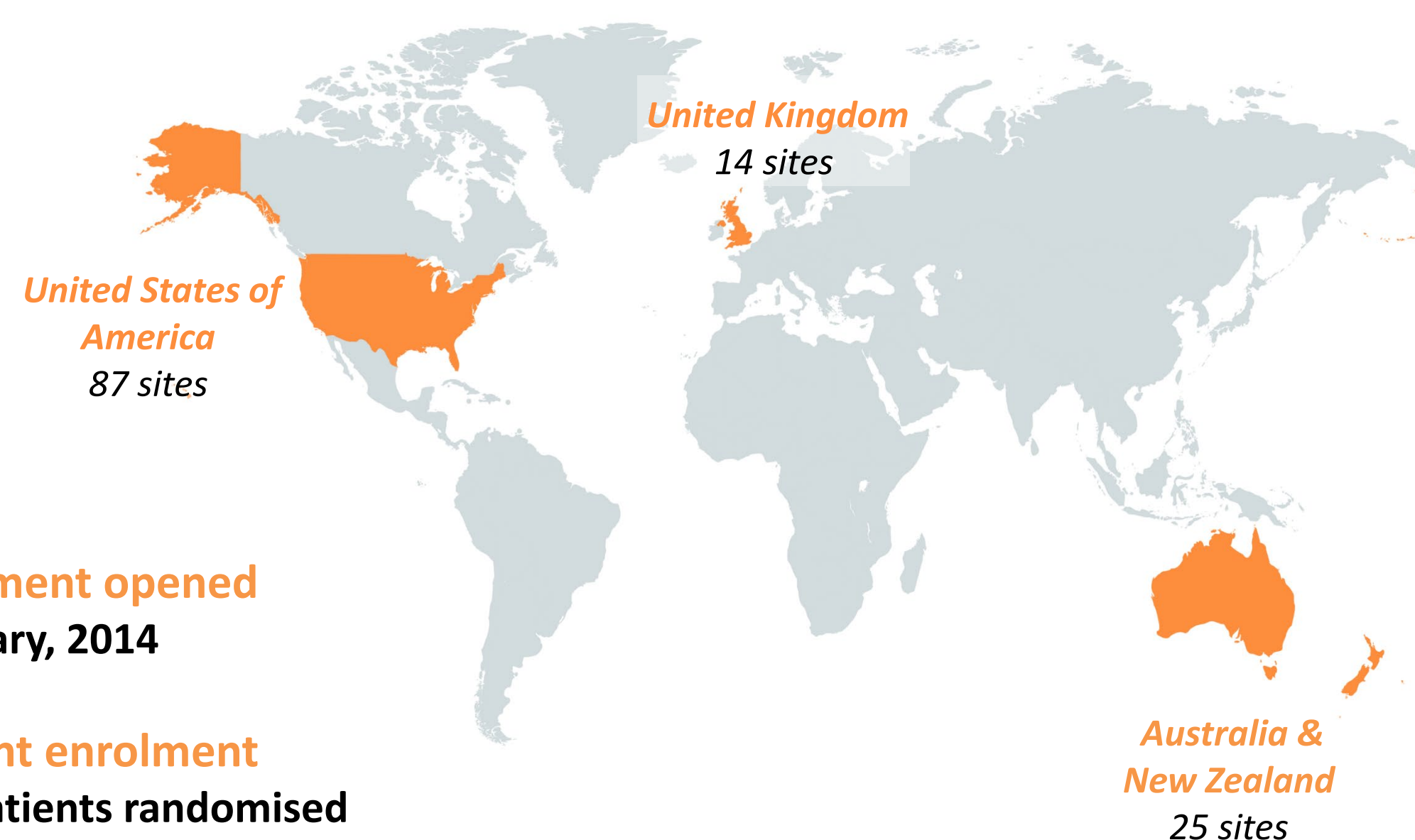
Secondary
• Response following treatment completion
• Adverse events
• Health related quality of life
• Treatment preference
• Delivered dose intensity of chemotherapy
• Overall survival

Tertiary or Correlative
Associations between biomarkers and their correlation with clinical outcomes.

5. Study Schema



6. Study Progress



Enrolment opened
February, 2014

Current enrolment
113 patients randomised

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Clinical trial identifiers: NCT02582697, ACTRN12613000496718

Acknowledgments:

We thank the patients and their families for their contribution. We also thank the principal investigators, co-investigators and study coordinators at all participating centres for their commitment to this trial. Special thanks to Cancer Australia, the Clinical Trials Awards and Advisory Committee (UK) and National Cancer Institute (USA) for funding this study.

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