

P3 BEP: Randomised phase 3 trial of accelerated versus standard BEP chemotherapy for patients with intermediate and poor-risk metastatic germ cell tumours



(ANZUP protocol 1302)

D Zebic¹, M Stockler^{1, 2}, A Martin¹, F Pashankar³, B Tran^{4, 15}, D Mazhar⁵, R Huddart⁶, M Wheater⁷, E Walpole⁸, E Dunwoodie⁹, D Feldman¹⁰, A Birtle¹¹, AG Stevanovic¹², D Wyld¹³, FJ Hanning¹⁴, PS Grimison^{1, 2, 15}, Australian and New Zealand Urogenital and Prostate Cancer Trials Group¹⁵

¹NHMRC Clinical Trials Centre, The University of Sydney, Australia, ²Chris O'Brien Lifehouse, Sydney, Australia, ³Yale School of Medicine, New Haven, CT, USA, ⁴Peter MacCallum Cancer Centre, Melbourne, Australia, ⁵Cambridge University Hospitals NHS Foundation Trust, Cambridge, UK, ⁶Royal Marsden Hospital, London, UK, ⁷University Hospital Southampton, Southampton, UK, ⁸Princess Alexandra Hospital, Brisbane, Australia, ⁹St James's University Hospital, Leeds, UK, ¹⁰Memorial Sloan Kettering Cancer Centre, New York, USA, ¹¹Royal Preston Hospital, Preston, UK, ¹²Nepean Cancer Centre, Kingswood, Australia, ¹³Royal Brisbane and Women's Hospital, Brisbane, Australia, ¹⁴Auckland City Hospital, Auckland, New Zealand, ¹⁵Australian and New Zealand Urogenital and Prostate Cancer Trials Group (ANZUP), Sydney, Australia

1. Background and Rationale

- Bleomycin, Etoposide, Cisplatin (BEP) administered 3-weekly x 4 remains standard first-line treatment for intermediate- and poor-risk metastatic germ cell tumours.
- High-dose chemotherapy and more complex regimens (eg VIP, T-BEP) have failed to improve cure rates and are more toxic.
- Accelerating regimens of standard chemotherapy to 2-weekly rather than 3-weekly has improved cure rates in other malignancies.
- Results from an Australian single-arm phase I/II trial ^{1,2} and a UK trial ³ confirmed that accelerating standard chemotherapy for germ cell tumours 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, respectively².

2. Aim

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

3. Study Design

- Design: Open-label, randomised, stratified, 2-arm, 2 stage multi-centre phase 3 clinical trial.
- Target Population: Males and females aged 11— 45 years, with intermediate or poor-risk metastatic germ cell tumours for 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

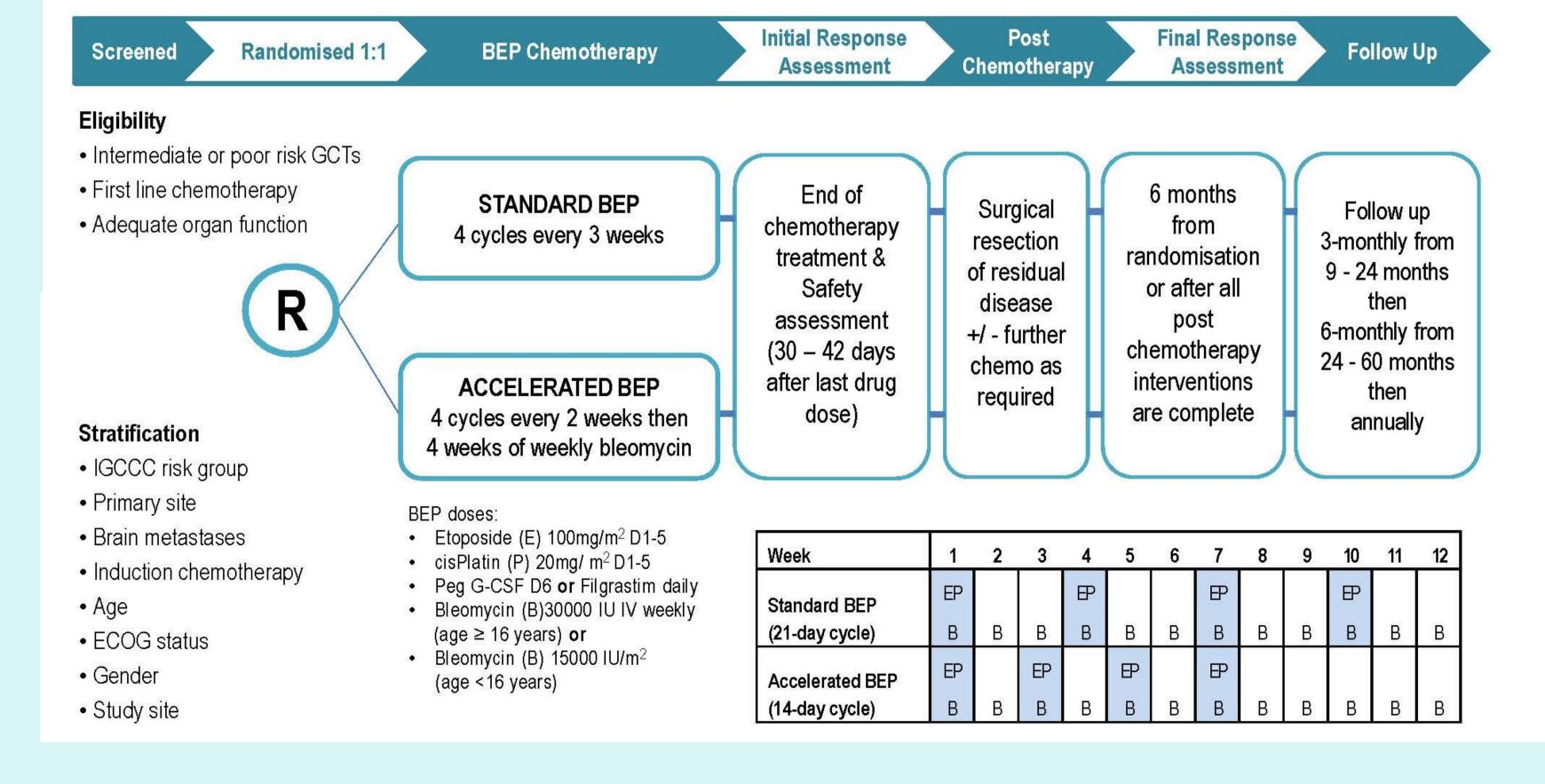
Overall survival

Tertiary: Correlative biomarker studies including serum microRNA

6. Study Progress

Tab 2014
Feb 2014
23 ANZ
17 UK
149 USA
N=211
Safety acceptable
Activity acceptable
Expected in 2028

5. Study Schema



7. Contact us



p3bep@ctc.usyd.edu.au



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Australian New Zealand Clinical Trials Registry (ANZCTR)

Acknowledgments

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References

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In collaboration with:







