

WEB-BASED COGNITIVE REHABILITATION INTERVENTION FOR CANCER-RELATED COGNITIVE IMPAIRMENT FOLLOWING CHEMOTHERAPY FOR AGGRESSIVE LYMPHOMA: A RANDOMISED TRIAL



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Background

Many people living after a cancer diagnosis report cancer-related cognitive impairment which can be a distressing and disabling side effect.

While appropriate support, including better preparation and intervention are indicated, there is a paucity of research in this area (1).

Aims

1. To test feasibility and acceptability of methods and procedures of eReCog in people who have received chemotherapy for aggressive lymphoma.
2. To obtain preliminary evidence of efficacy potential of the eReCog Intervention.

Method

Single-site, parallel-group, pilot randomised controlled trial, one baseline and one follow-up assessment (see Figure 1).

38 people with perceived reduction in cognitive functioning will be recruited from a cancer centre between July 23 and June 24.

Primary outcomes: feasibility of recruitment, retention at follow-up assessment; adherence to, usability of and intrinsic motivation to engage with eReCog and compliance with study measures at each assessment, and potential efficacy of eReCog (2) (See Figure 2).

Figure 1: Study Schema

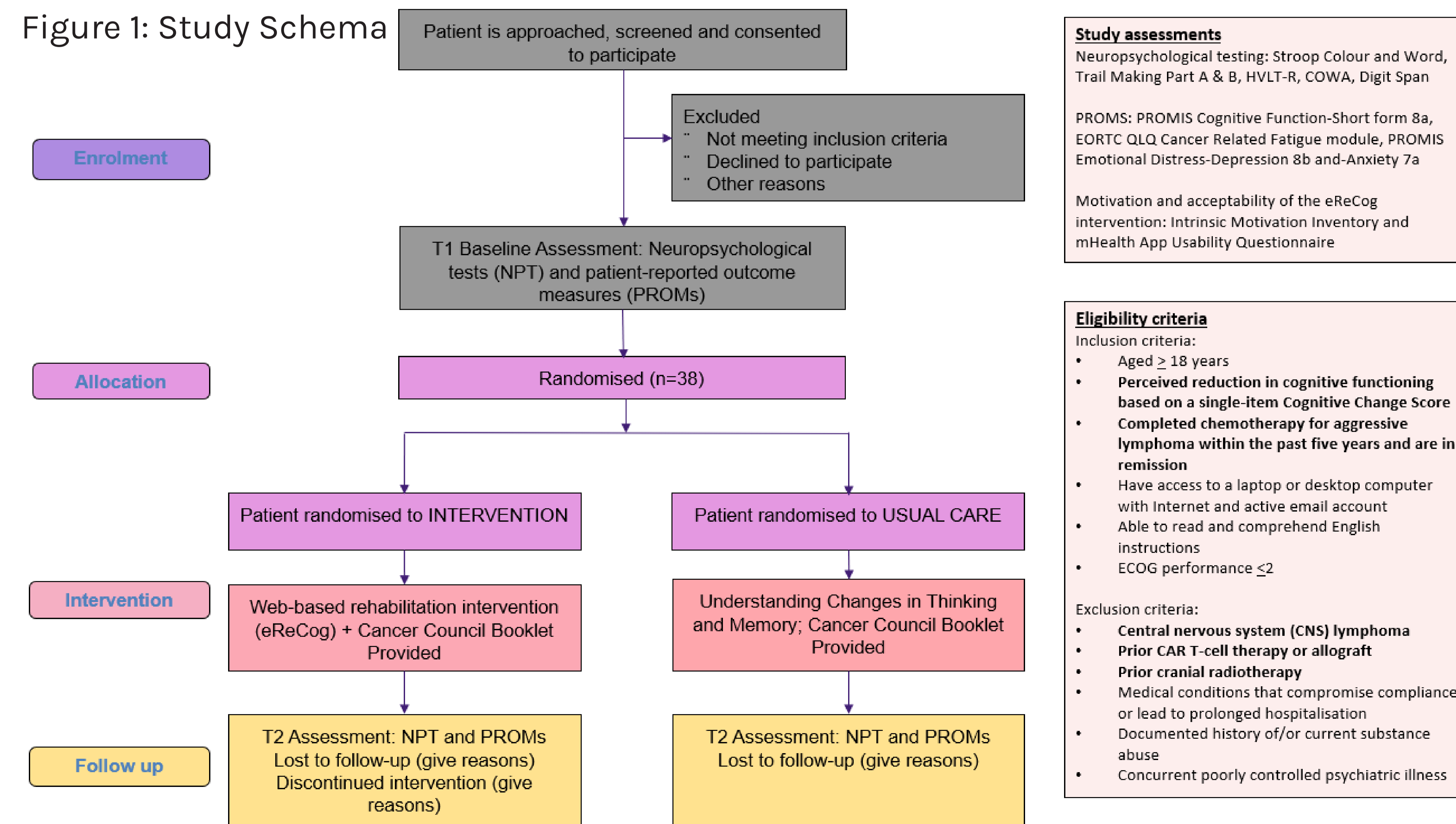
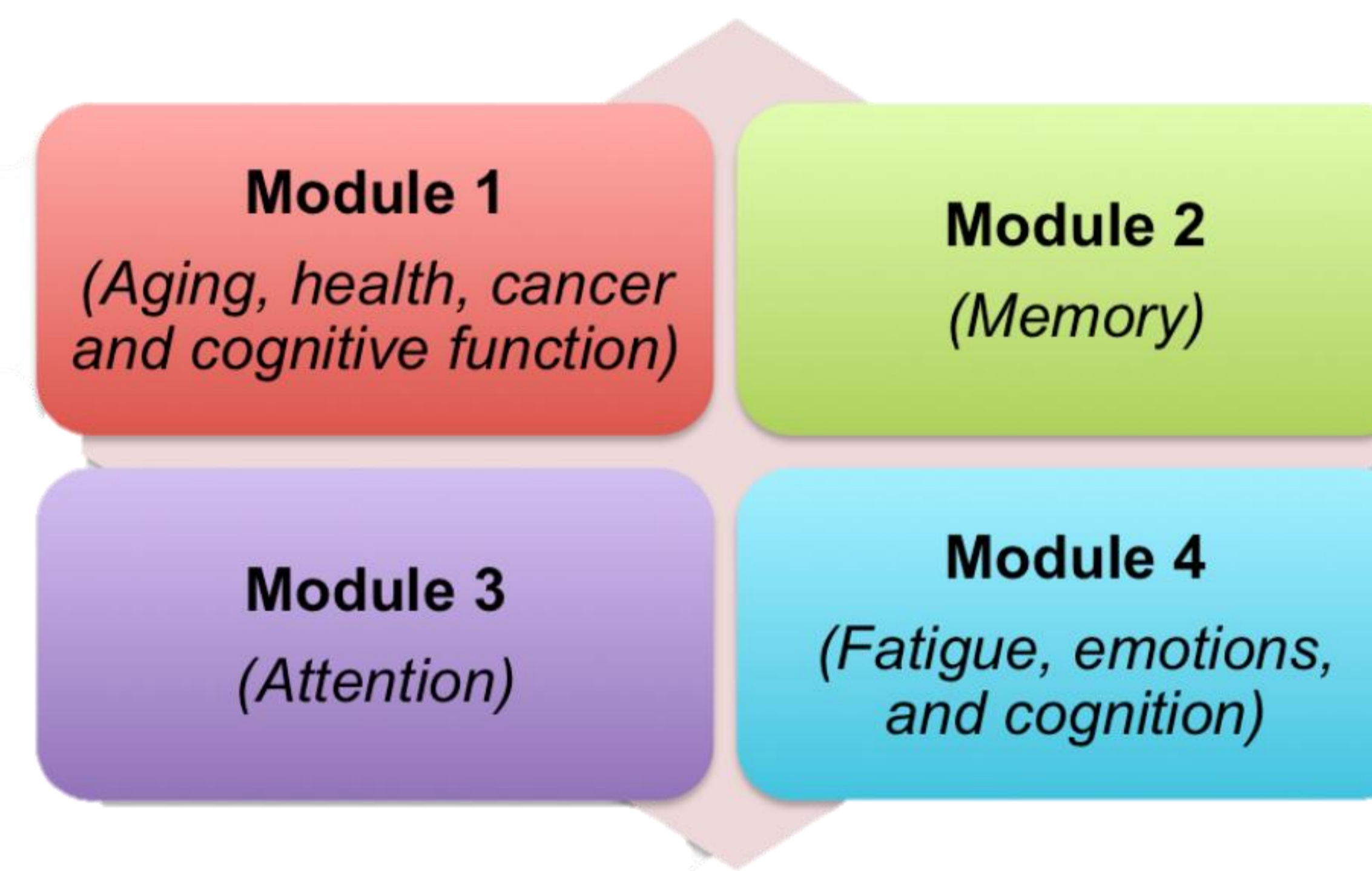


Figure 2: eReCog Intervention



Progress to date

Ethics approval has been obtained and recruitment commenced July 2023.

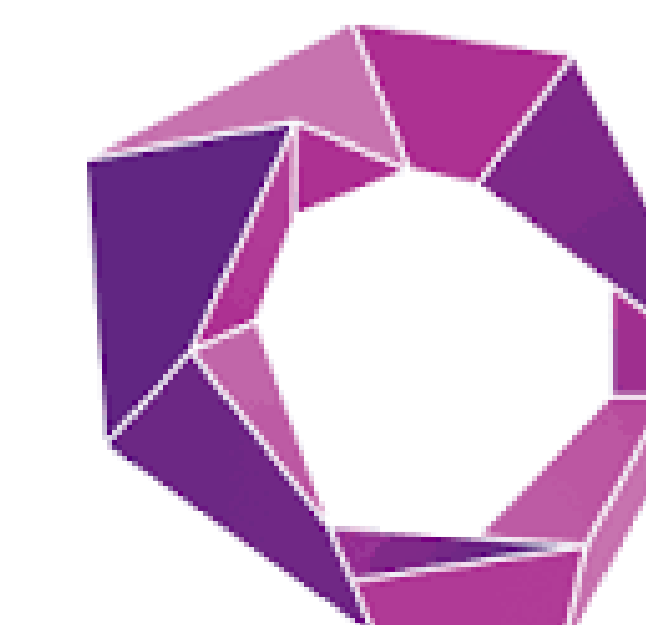
35 of 38 participants have been recruited.

25 participants have completed follow-up study requirements.

Two participants withdrew prior to final follow-up study assessments

References

1. Gates P, Dhillon HM, Krishnasamy M, Wilson C, Gough K. Cancer-related cognitive impairment and wellbeing in patients with newly diagnosed aggressive lymphoma compared to population norms and healthy controls: an exploratory study. *Support Care Cancer*. 2024 Mar 21;32(4):238
2. Gates P, Green HJ, Gough K, *et al*. Web-based cognitive rehabilitation intervention for cancer-related cognitive impairment following chemotherapy for aggressive lymphoma: protocol for a randomised pilot trial *BMJ Open* 2024;14



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