

ORAL PRESENTATION

Open Access

A randomised controlled trial of in-patient treatment for anorexia nervosa in medically unstable adolescents

Sloane Madden^{1,2*}, Jane Miskovic-Wheatley^{1,2}, Andrew Wallis¹, Michael Kohn^{1,2}, James Lock³, Daniel LeGrange⁴, Booil Jo³, Simon Clarke⁵, Paul Rhodes², Phillipa Hay⁶, Stephen Touyz²

From 2015 ANZAED Conference: Riding the Waves to Recovery
Surfers Paradise, Australia. 21-22 August 2015

Background

Anorexia Nervosa (AN) is a serious disorder, with high costs due to hospitalisation. International treatments vary with prolonged hospitalisations in Europe and shorter hospitalisations in the USA. Uncontrolled studies suggest longer initial hospitalisations that normalise weight produce better outcomes and less admissions than shorter hospitalisations with lower discharge weights.

Methods

A randomised controlled trial of 82 adolescents, with DSM-IV AN and medical instability comparing brief hospitalisation for medical stabilisation (MS) and hospitalisation for weight restoration (WR) to 90% expected body weight (EBW) (1:1), both followed by 20 sessions of manualised, family based treatment (FBT).

Results

Primary outcome was hospital days, following initial admission, at 12-month follow-up. Secondary outcomes were total hospital days to 12-months and full remission (EBW>95% and global Eating Disorder Examination score within 1 SD of published means). There was no significant difference between groups in hospital days used following initial admission. There were significantly more total hospital days used and post-protocol FBT sessions in the WR group. There were no moderators of primary outcome, but participants with higher eating psychopathology and compulsive features reported better outcomes in the MS group.

Conclusions

Outcomes are similar with hospitalisations for MS or WR when combined with FBT. Cost savings would result from combining shorter hospitalisation with FBT.

Authors' details

¹The Sydney Children's Hospital Network, Australia. ²The University of Sydney, Australia. ³Stanford University, USA. ⁴University of Chicago, USA. ⁵Westmead Hospital, Australia. ⁶University of Western Sydney, Australia.

Published: 23 November 2015

doi:10.1186/2050-2974-3-S1-O44

Cite this article as: Madden et al.: A randomised controlled trial of in-patient treatment for anorexia nervosa in medically unstable adolescents. *Journal of Eating Disorders* 2015 **3**(Suppl 1):O44.

Submit your next manuscript to BioMed Central and take full advantage of:

- Convenient online submission
- Thorough peer review
- No space constraints or color figure charges
- Immediate publication on acceptance
- Inclusion in PubMed, CAS, Scopus and Google Scholar
- Research which is freely available for redistribution

Submit your manuscript at
www.biomedcentral.com/submit



* Correspondence: sloane.madden@health.nsw.gov.au

¹The Sydney Children's Hospital Network, Australia

Full list of author information is available at the end of the article