Protocolised Management In Sepsis (ProMISe): a multicentre randomised controlled trial of the clinical effectiveness and cost-effectiveness of early, goal-directed, protocolised resuscitation for emerging septic shock

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Declared competing interests of authors: Dr Tiffany M Osborn declares grants from ImaCor Inc. and Cheetah Medical during the trial.

Published November 2015
DOI: 10.3310/hta19970
Plain English summary

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Health Technology Assessment 2015; Vol. 19: No. 97
DOI: 10.3310/hta19970

NIHR Journals Library www.journalslibrary.nihr.ac.uk
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What was the problem/question?

Sepsis is a severe infection in the blood which can damage important organs in the body, such as the heart and lungs. Patients who develop sepsis are at a high risk of dying. A research study in a US hospital emergency department found that patients with sepsis treated using a 6-hour structured treatment plan (compared with usual treatment) were more likely to survive and to spend less time in hospital.

The ProMiSe (Protocolised Management In Sepsis) study wanted to find out if the 6-hour structured treatment plan would work in the UK, compared with usual treatment.

What did we do?

A total of 1260 patients from 56 hospitals across the country took part in the study. Patients were evenly split into two groups to receive either the 6-hour structured treatment plan or usual treatment. They were followed up for 1 year to see the long-term effects of receiving treatment.

What did we find?

There was no significant difference in the number of patients who died after 3 months or after 1 year of receiving either treatment. The costs of treatment (in hospital and after leaving hospital) were higher for patients who received the 6-hour structured treatment plan.

What does this mean?

The 6-hour structured treatment plan did not improve survival for patients with sepsis and was more expensive.
Health Technology Assessment

ISSN 1366-5278 (Print)
ISSN 2046-4924 (Online)
Impact factor: 5.116

*Health Technology Assessment* is indexed in MEDLINE, CINAHL, EMBASE, The Cochrane Library and the ISI Science Citation Index.

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### This report

The research reported in this issue of the journal was funded by the HTA programme as project number 07/37/47. The contractual start date was in April 2010. The draft report began editorial review in March 2015 and was accepted for publication in July 2015. The authors have been wholly responsible for all data collection, analysis and interpretation, and for writing up their work. The HTA editors and publisher have tried to ensure the accuracy of the authors’ report and would like to thank the reviewers for their constructive comments on the draft document. However, they do not accept liability for damages or losses arising from material published in this report.

This report presents independent research funded by the National Institute for Health Research (NIHR). The views and opinions expressed by authors in this publication are those of the authors and do not necessarily reflect those of the NHS, the NIHR, NETSCC, the HTA programme or the Department of Health. If there are verbatim quotations included in this publication the views and opinions expressed by the interviewees are those of the interviewees and do not necessarily reflect those of the authors, those of the NHS, the NIHR, NETSCC, the HTA programme or the Department of Health.

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