

# 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

Paul R Mouncey,<sup>1</sup> Tiffany M Osborn,<sup>2</sup> G Sarah Power,<sup>1</sup> David A Harrison,<sup>1</sup> M Zia Sadique,<sup>3</sup> Richard D Grieve,<sup>3</sup> Rahi Jahan,<sup>1</sup> Jermaine CK Tan,<sup>1</sup> Sheila E Harvey,<sup>1</sup> Derek Bell,<sup>4,5</sup> Julian F Bion,<sup>6</sup> Timothy J Coats,<sup>7</sup> Mervyn Singer,<sup>8</sup> J Duncan Young<sup>9</sup> and Kathryn M Rowan<sup>1\*</sup>

<sup>1</sup>Clinical Trials Unit, Intensive Care National Audit & Research Centre, London, UK

<sup>2</sup>Departments of Surgery and Emergency Medicine, Washington University, St Louis, MO, USA

<sup>3</sup>Department of Health Services Research and Policy, London School of Hygiene and Tropical Medicine, London, UK

<sup>4</sup>Faculty of Medicine, Imperial College London, London, UK

<sup>5</sup>Department of Acute Medicine, Chelsea and Westminster Hospital NHS Foundation Trust, London, UK

<sup>6</sup>Department of Intensive Care Medicine, University of Birmingham, Birmingham, UK

<sup>7</sup>Department of Cardiovascular Sciences, University of Leicester, Leicester, UK

<sup>8</sup>Bloomsbury Institute of Intensive Care Medicine, University College London, London, UK

<sup>9</sup>Nuffield Division of Anaesthetics, University of Oxford, Oxford, UK

\*Corresponding author

**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

### **Protocolised Management In Sepsis (ProMISe)**

Health Technology Assessment 2015; Vol. 19: No. 97

DOI: 10.3310/hta19970

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# Plain English summary

## 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.



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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Editorial contact: [nhredit@southampton.ac.uk](mailto:nhredit@southampton.ac.uk)

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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.

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