Evidence-Based Strategies in Blood Management and Transfusion Safety Practices
Developed and presented by Strategic Healthcare Group LLC

Date: Wednesday, April 17, 2013
Time: 12 to 1 p.m.
Location: W417 GH, NCEC (Elevator BW, Level 4)
Intended Audience: UI Hospitals and Clinics employees

Faculty:
Joseph Thomas, BSN, RN, Senior Transfusion Safety Nurse Consultant, Strategic Healthcare Group LLC

Registration/Fee: Pre-registration is not required and there is no fee for the course or for nursing CEU credits.

Nursing Credits:
0.1 CEU will be granted by University of Iowa Hospitals & Clinics Department of Nursing (IBN Approved Provider #34).

Participants must attend the session in its entirety to receive full credit. Questions concerning nursing credits should be directed to the Nursing Clinical Education Center at 319-356-1238.

* Strategic Healthcare Group LLC has granted approval to the UI Hospitals and Clinics Department of Nursing to award the nursing continuing education credits for these four sessions.

Questions:
Contact Aldijana Avdic, Blood Management Coordinator, CQSPI at aldijana-avdic@uiowa.edu or phone 356-2981 for questions regarding these sessions.
Description
Blood management is an evidence-based, multidisciplinary approach to blood utilization that promotes the safe and optimal use of blood and its associated resources. Blood utilization has become a major concern for a variety of reasons. Blood costs have more than doubled in the last few years and blood shortages are becoming more frequent. New evidence about transfusion therapy shows that the risks of transfusion have generally been underestimated, and the benefits have been generally overestimated, leading to an imbalance in risk-benefit decisions. A growing body of evidence-based research is emerging to guide clinicians in safe and appropriate transfusion practices.

Audience
Nurses, Administrators, Medical Technologists, Advanced Practice Nurses, Physician Assistants

Purpose
The goal of this presentation is to describe the major quality, safety and economic drivers behind the growing demand for blood management and review strategies to optimize blood management and transfusion practices

Presentation Objectives
At the conclusion of this lecture, the participant will be able to:
• List the most significant factors within hospitals driving the growing demand for blood management
• Review the leading causes of transfusion-related morbidity and mortality
• Summarize the best available evidence for transfusion practices in the 21st century

Teaching Strategy
The teaching strategy will be didactic in the form of a PowerPoint presentation, followed by a question-and-answer period.

Content Outline
I. Blood Management Introduction
   A. Definition of Blood Management

II. Growing Interest in Blood Management and Transfusion Safety
   A. Transfusion Safety
   B. Transfusion is a liquid transplant

III. Transfusion Dangers
   A. 5 leading causes of transfusion related mortality
   B. Immunomodulation
   C. Proinflammatory and Prothrombotic

IV. Evidenced-Based Transfusion Strategies
   A. Evidence-based transfusion guidelines
   B. Transfusion dosing strategies
   C. Proactive blood management best practices