EVALUATION OF ANTIBIOTIC STEWARDSHIP, PROCALCITONIN TESTING AND RAPID BLOOD CULTURE IDENTIFICATION TO OPTIMIZE SEPSIS CARE IN ALBERTA

Understanding when to initiate antibiotic therapy for what patients and for how long is critical to making appropriate antibiotic therapy decisions for sepsis patients. Initiating therapy for sepsis early is paramount, however avoiding unnecessary antibiotic use is also important as the latter has been associated with increased length of stay, drug-related toxicities, CDI, antimicrobial resistance and higher healthcare costs.

Research suggests that antibiotic stewardship, procalcitonin (PCT) testing and rapid blood culture identification can improve clinical outcomes, care processes and resource utilization in among patients with suspected or confirmed sepsis. This project will evaluate the impact of these therapies among children and adults with confirmed or suspected sepsis admitted to the ICU and will answer a crucial management question for patients suffering sepsis in Alberta hospitals.

Baseline data collection will commence December 2017 and the active treatment phase will roll out in March/April 2018.

WELCOME KATELYNN CRICK & MIRIAM GARRIDO-CLUA
Project Coordinators, Sepsis Management Project

Miriam and Katelynn will be coordinating the activities of the Sepsis Management Project in the GSICU and Stollery PICU over the next year. Their activities will include collecting sepsis and antimicrobial data from patient charts and coordinating/monitoring the reporting of PCT and blood culture results on ICU patients with confirmed or suspected sepsis. For more information on the Sepsis Management Project contact:

PI’s: Wendy Sligl wsligl@ualberta.ca, Sean Bagshaw bagshaw@ualberta.ca
Project Manager: Dawn Opgenorth dawno@ualberta.ca
Project Coordinators: Miriam Garrido Clua Miriam.garrido@ahs.ca, Katelynn Crick kccrick@ualberta.ca

Congratulations Dr Oleksa Rewa

The Department of Critical Care Medicine is pleased to announce the successful MSc. thesis defence of Dr. Oleksa Rewa: "Quality Indicators for Continuous Renal Replacement Therapy in Critically Ill Patients".

His focus of research is in critical care nephrology, with a particular focus on renal replacement therapy in critical ill patients and improving the quality of care delivery to patients undergoing continuous renal replacement therapy.

Have a Safe and Happy Holiday Season

Study Enrollment Update
ALFSG: 57
BALANCE: 24
PEPTIC: open to enrollment
PREVENT: 1
PROSPECT: 4
ROTEM: open to enrollment
STARRT-AKI: GS-ICU: 21, CV-ICU: 1

To find out more about any study or ways you can be involved contact Dr. Sean Bagshaw, Director of Research at 780-492-3817, Nadia Baig, Research Manager at 780-492-9951, or visit our website at www.ualberta.ca/critical-care/research

Research Office Holiday Closure
December 22 – January 1, 2018