



Acute Dialysis Quality Initiative

*A Process Towards Developing Consensus and Guidelines for
Diagnosis, Prevention and Treatment of Acute Renal Failure in the Critically Ill*
www.ADQI.net

The Intent of ADQI

ADQI

The intent of ADQI is to provide an objective, dispassionate distillation of the literature and description of the current state of practice of diagnosis, prevention and treatment of acute renal failure. The purpose is to develop a consensus of opinion, with evidence where possible, on best practice and to articulate a research agenda to focus on important unanswered questions.

The First ADQI Conference

Results of ADQI

The first ADQI consensus conference was held in August 2000, in New York City and was chaired by Claudio Ronco (San Bortolo Hospital, Vicenza), John Kellum (University of Pittsburgh), and Ravi Mehta (University of California, San Diego). The American Society of Nephrology and Society of Critical Care Medicine endorsed the meeting. It was underwritten by Renal Research Institute and sponsored by several companies (see corporate sponsors). This conference focused on the clinical application of CRRT, and the results of this activity are available on the ADQI website (www.ADQI.net). The results of this conference will be published in the October 2002 issue of *Advances in Renal Replacement Therapy*. This special issue will also be distributed at the American Society of Nephrology meeting. Finally, a manuscript with an overall summary of the conference is under review by *Kidney International*.

New Research Spawned by ADQI Conference

New Research

Targets for future research were defined by the first ADQI conference and separate research projects have already been spawned. First, researchers at the University of Pittsburgh analyzed all previous studies comparing synthetic and cellulose membranes in dialysis. This meta-analysis provides clear evidence of a survival benefit associated with synthetic membranes. The results of this study will be published in a future issue of *Kidney International*. Second, Rinaldo Bellomo and other investigators of the University of Melbourne undertook a large epidemiological study of current practice in RRT. The B.E.S.T. Kidney Study (Beginning and Ending Supportive Therapy for the Kidney) has collected prospective and detailed information on close to 2,000 patients with ARF who were identified at 50 medical centers in approximately 20 countries. The study is now close to completion. The preliminary data on the first 1,000 patients has already provided novel information on the variance in the application of renal replacement techniques in different continents. In addition to these projects, other clinical and laboratory studies are under development as result, in large part, to the efforts of ADQI.

The Second ADQI Conference

ADQI II to be held in May 2002

The second ADQI consensus conference is being held in Vicenza, Italy in May, 2002. It will be co-chaired by Rinaldo Bellomo (University of Melbourne) and Claudio Ronco (San Bortolo Hospital, Vicenza). The focus of this conference will be on research in Acute Renal Failure. Topics to be covered will include the definition of ARF, clinical and physiologic endpoints for trials, animal models of ARF, fluid management research and information technology. Preliminary results of this meeting will be published in the December issue of *Current Opinion in Critical Care*. Final results will be submitted for publication in 2003.

National Kidney Foundation & ADQI

KDOQI/ADQI Joint Practice Guideline on ARF

The National Kidney Foundation's K/DOQI (Kidney Disease Quality Initiative) and ADQI have announced a joint collaboration on the development of a clinical practice guideline on acute kidney failure. K/DOQI provides evidence-based clinical practice guidelines developed by volunteer physicians and health care providers for all phases of kidney disease and related complications, from diagnosis to monitoring and management. K/DOQI expands the Dialysis Outcomes Quality Initiative or DOQI, a project developed by the National Kidney Foundation in 1997 and recognized throughout the world for improving the care of dialysis patients, www.kidney.org.

Dedicated to improving the care of patients with ARF

ADQI Mission and Governance

ADQI was conceived and developed by a multi-disciplinary, international group of investigators and clinicians (shown below). ADQI is dedicated to improving the care of patients diagnosed with or at risk for development of acute renal failure. Future topics will include intermittent RRT, blood purification in non-renal disease, and prevention of ARF. ADQI is a volunteer organization. The executive council is consists of the President, President Elect, Immediate Past President, and two members-at-large: one Nephrologist and one Intensivist. We continue to seek input from anyone interested in the improving the care of patients with ARF. We may be contacted at ADQI@ccm.upmc.edu.

Executive Council

John A. Kellum
President

Claudio Ronco
Immediate Past
President

Ravindra Mehta
President Elect

Paul Palevsky
2001-2003

Rinaldo Bellomo
2002-2004



The Founding Members of ADQI

Front Row: C Ronco, R Mehta, D Angus, R Bellomo, RTN Gigney, J Kellum.

Middle Row: S Mehta, A Davenport, C Tetta, T Bunchman, M Schetz, P Kimmel, R Star, W Clark

Back Row: D Wensley, P Palevsky, E Paganini, JM Lazarus, P Murray, M Leblanc, T Depner

Our Corporate Sponsors

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