Abstract :

**Continuous Haemofiltration in the intensive care unit**

In the modern ICU, CRRT (continuous renal replacement therapy) is now performed using pump technology and double-lumen central venous access. Uraemic control and maintain lower urea and creatinine levels with CRRT that may offer a survival advantage. CRRT is mandatory in all patients who are at risk of or who have increase intracranial pressure (neurosurgical patients, patients with encephalitis or meningoencephalitis or acute liver failure) and ICU patients with significant cardiac disease (diuretic-resistant congestive cardiac failure) are best treated with CRRT which restores dry body weight, improves urinary output, decreases neurohumoral activation and prolongs symptom- free and oedema-free time. Moreover clinical benefits have also reported for cardiac surgery patients and patient with acute renal failure and septic shock. So the CRRT is now firmly established as a form of artificial support in the ICU. Once the appropriate training of nursing staff and medical staff has been achieved, CRRT is easy to conduct, is safe and flexible, and it will easily become the only form of artificial renal support in the ICU.