Gold standards of renal care outside the doors of Critical Care

Pauline Goddard BSc (Hons) Critical Care & Loida Sherrard-Smith
GB Renal Unit FHTT
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Introduction
AKI 3 is estimated to cost the NHS more than £1 billion per year. In the UK 20% of post admission AKI is avoidable and 50% of the care provided to patients with AKI is considered good. NICE (2013) suggests AKI inpatient mortality in the UK is 20-30%. Without a tertiary renal service in our trust patients’ admission was via Critical Care or they were transferred to other hospitals for dialysis and renal services. Both the emotional and psychological effects of this on patients and families was huge. G8, the first acute renal unit located in Surrey within an acute trust, with eight beds provides both haemodialysis (HD) and peritoneal dialysis (PD). It is a Consultant Nephrology led service seven days per week. This service started in January 2018. New AKI 3 patients are admitted to G8 and monitored by our consultants. A hot bed facility provides the opportunity to dialyse inpatients from other wards, and can flex to service requirements. A structured set of gold standards in care for renal patients has been developed which ensures inpatients from different specialties can continue to be cared for locally outside the doors of Critical Care, and receive excellent renal care.

Method
Data from ICNARC and admission data for both Critical Care and G8 was reviewed for inpatient dialysis data before and after the renal unit commenced dialysis. Time span reviewed reflects January 2017-2018 and January 2018-2019. To date the renal unit has performed over 2000 HD sessions.

<table>
<thead>
<tr>
<th>Department</th>
<th>Level of Care</th>
<th>Cost Per Day</th>
<th>Dialysis 2017/2018</th>
<th>Dialysis 2018/19</th>
</tr>
</thead>
<tbody>
<tr>
<td>Critical Care</td>
<td>Single organ</td>
<td>£993</td>
<td>81 CVVH</td>
<td>51 CVVH</td>
</tr>
<tr>
<td>Renal Unit</td>
<td>Level 2 on HD/PD</td>
<td>£651</td>
<td>NONE</td>
<td>1300 HD 2019&gt;2000</td>
</tr>
</tbody>
</table>

Conclusion
Quality focused renal care on an acute renal ward can reduce cost and improve bed availability for level 3 care within Critical Care. Feedback from patients suggests they are happier with our local service. Seven day Consultant led service for renal patients, along with the delivery of both HD and PD. As well as gold standards set to ensure patients receive the right care, at the right time, in the right place. The team is committed to excellence, working together and facing the future. Trust wide renal care has excelled through sharing knowledge and skills which is fundamental to delivering an excellent renal service outside the doors of Critical Care.

Reference:
Author: Pauline Goddard Contact details: paulinegoddard12@outlook.com sister G8 Renal Unit Frimley Health NHS Foundation Trust Camberley Surrey