Traceability for medical supplies by using GS1 Standards at Kyoto 2nd Red Cross Hospital
The Outline of K2RCH

- **640 Beds ICU and NICU**

- Acute care hospital which incorporates a critical care center. The numbers of emergency operations and nighttime operations are increasing year by year due to the recent medical environment in Japan.

- **Department**
  - **Wards**
    - 13
  - **Out Patient**
    - 1800/d
  - **OR•Trooms**
    - Cardio Vascular IVR: 1348,
    - Brain IVR: 345,
    - Abdominal IVR: 383
  - GI endoscopy: 14563

- **Surgical Operation (2007)**
  - Number of Operation: 5857
  - Emergent Operation: 1044

  Cases increased than 2006’s (150)
• Outline of K2RCH
• Standardization

• Traceability of Medical Instruments
  Practical use of Barcodes

• Traceability for medicine
• Traceability for medical materials
• The management of ME machines
Medicine

- Consumption
  - Packing machine → digital charging
  - Pharmacist picking → PTP charging

- Refilling
  - Printing the refilling list
  - Reading the barcode by using Handy Terminal
- Outline of K2RCH
- Standardization
- Traceability of Medical Instruments
- Traceability for medicine
- Safety Management

- Traceability for medical materials
- The management of ME machines
Medical Materials
Main Functions of Solemio OR™

1. Preoperative Check for the patient state condition
2. Verify for the patient
3. Enter equipment and drugs used for procedure
4. Verify in Transfusion
5. Cooperate with distribution system
6. Record of Perioperative nursing report
7. Record of charging in procedure
8. WEB Browse
<table>
<thead>
<tr>
<th>Endoscopic Exam.</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UGI Endoscopy</strong></td>
<td>10,319</td>
</tr>
<tr>
<td>Upper GI endoscopy</td>
<td>8,834</td>
</tr>
<tr>
<td>EUS (upper GI &amp; pancreato-biliary)</td>
<td>567</td>
</tr>
<tr>
<td>ESD &amp; EMR for upper GI</td>
<td>368</td>
</tr>
<tr>
<td><strong>Therapeutic Endoscopy</strong></td>
<td>2,612</td>
</tr>
<tr>
<td>Emergent endoscopy for upper GI</td>
<td>96</td>
</tr>
<tr>
<td><strong>LGI Endoscopy</strong></td>
<td>3,004</td>
</tr>
<tr>
<td>Lower GI endoscopy</td>
<td>2,109</td>
</tr>
<tr>
<td>EUS (lower GI)</td>
<td>75</td>
</tr>
<tr>
<td>EMR for lower GI</td>
<td>748</td>
</tr>
<tr>
<td>Emergent endoscopy for lower GI</td>
<td>57</td>
</tr>
<tr>
<td>Small intestinal endoscopy</td>
<td>30</td>
</tr>
<tr>
<td><strong>ERCP</strong></td>
<td>570</td>
</tr>
<tr>
<td><strong>Liver Diseases</strong></td>
<td>180</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>14,121</td>
</tr>
</tbody>
</table>
Management of record for Medical Equipment
<table>
<thead>
<tr>
<th>病棟</th>
<th>値</th>
</tr>
</thead>
<tbody>
<tr>
<td>A4病棟</td>
<td>6</td>
</tr>
<tr>
<td>A5病棟</td>
<td>4</td>
</tr>
<tr>
<td>A6病棟</td>
<td>4</td>
</tr>
<tr>
<td>A7病棟</td>
<td>10</td>
</tr>
<tr>
<td>B3病棟</td>
<td>10</td>
</tr>
<tr>
<td>B4病棟</td>
<td>14</td>
</tr>
<tr>
<td>B5病棟</td>
<td>7</td>
</tr>
<tr>
<td>B6病棟</td>
<td>7</td>
</tr>
<tr>
<td>C3南病棟</td>
<td>11</td>
</tr>
<tr>
<td>C4南病棟</td>
<td>6</td>
</tr>
<tr>
<td>C3北病棟</td>
<td>7</td>
</tr>
<tr>
<td>C4北病棟</td>
<td>6</td>
</tr>
<tr>
<td>CS北病棟</td>
<td>5</td>
</tr>
<tr>
<td>ICU</td>
<td>22</td>
</tr>
<tr>
<td>おお室</td>
<td>18</td>
</tr>
</tbody>
</table>

スタンバイ: 使用中: 貸出中: 点検中: 修理中
Thank you for your attention!!

Kyoto Second Red Cross Hospital
KYOTO, JAPAN