Introduction

- The incidence and prevalence of liver disease in the UK is rising.
- The National Confidential Enquiry into Patient Outcomes and Deaths (NCEPOD) 2013 identified sub-optimal care of these patients in the UK.
- A toolkit to guide the initial management of patients with decompensated liver disease has been developed by the British Society of Gastroenterology (BSG) in partnership with the British association for study of the liver (BASL).

Aim

- Audit of practice within our institution against BSG standards.
- Subsequent assessment of the impact of an electronic care bundle based upon the BSG-BASL toolkit.

Methods

- Retrospective six month audit of patients admitted to specialty ward with decompensated liver disease.
- Initial management delivered within first 24 hours of admission compared to BSG-BASL standards of care.
- Simplified electronic care bundle developed and integrated in electronic patient records (EPR) software.
- Prospective re-audit carried out of three-month period of consecutive admissions of patients with decompensated liver disease.

Results

- Patients who had the toolkit completed received more timely and consistent investigation than the group in which the toolkit was not used.

![Image](https://via.placeholder.com/150)

<table>
<thead>
<tr>
<th>Investigations</th>
<th>With Toolkit</th>
<th>Without Toolkit</th>
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<tbody>
<tr>
<td>FBC</td>
<td>57</td>
<td>48</td>
</tr>
<tr>
<td>INR</td>
<td>100</td>
<td>50</td>
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<tr>
<td>Bone Profile</td>
<td>67</td>
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</tbody>
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![Image](https://via.placeholder.com/150)

Management was improved overall in the patient group who had the toolkit completed.

Conclusion

- Introduction of an electronic care bundle based on the BSG-BASL toolkit improved the quality of care delivered to patients with decompensated liver disease.
- Use of this care bundle on admission is now standard practice for the management of patients with decompensated liver disease in our institution.
- The care bundle facilitates delivery of consistent evidence-based investigation and management decisions to address the shortfalls identified by NCEPOD.

Reference

1. NCEPOD. “Measuring the Units” – a review of patients who died with alcoholic related liver disease. National Confidential Enquiry into Patient Outcome and Death (UK); 2013:1–25.

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