**VENOUS THROMBOEMBOLISM RISK ASSESSMENT**
**RCEM QUALITY IMPROVEMENT PROJECT**

**Aim**  
Primary Drivers  
Secondary Drivers  
Change Ideas  

**Baseline performance**  
VTE risk assessment and provision of advice sheets  

**Driver Diagram**  
- 75% of patients have a VTE risk assessment completed  
- Assessment of VTE risk factors  
- Assessment of bleeding risk factors  
- Administration of appropriate thromboprophylaxis  
- Staff education  
- Alignment with national guidelines  
- Patient education  
- Availability of TTO medication  
- Stat dose of medication in department  
- Patient compliance with treatment  
- VTE risk assessment form on plaster cast prescription chart  
- Deliver teaching to ENPs/ ACPs/ Doctors  
- Patient information leaflet  
- DOAC instead of LMWH  
- Obtain patient feedback  

**Interventions**  
- Secure agreement of inclusion of walker boots from Orthopaedic lead  
- Posters to remind staff to complete risk assessment sheets and distribute advice sheets  
- Attachment of the VTE advice sheets to risk assessment sheets  
- Staff emails and face-to-face reminders to consistently raise awareness  
- Recruitment of an ENP to our audit team, to educate other ENPs via word of mouth  
- Presentation of the audit findings after 16 weeks to show our progress and encourage continuation of good work  
- Recruitment of an additional audit team member to ensure continued quality improvement  

**Results**  
Gradual improvement in risk assessments completed and advice sheets given  

**Comparison of Local VTE assessment with a recognised assessment tool**  

<table>
<thead>
<tr>
<th>N = 70</th>
<th>Local VTE Assessment</th>
<th>Plymouth Assessment</th>
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<tbody>
<tr>
<td>% Patients for which VTE treatment was indicated</td>
<td>57.1%</td>
<td>17.1%</td>
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<tr>
<td>% High-risk patients (Enoxaparin treated)</td>
<td>24.3%</td>
<td>17.1%</td>
</tr>
<tr>
<td>% Medium-risk patients (Aspirin treated)</td>
<td>32.9%</td>
<td>N/A</td>
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<tr>
<td>% Low-risk patients (No medical therapy)</td>
<td>42.9%</td>
<td>82.9%</td>
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**Future plans**  
- Continue to assess our performance and compare it with National Standards, aiming for higher levels of compliance  
- Liaise with Orthopaedic colleagues, presenting our data and evidence for changing to the Plymouth Assessment  

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