Introduction

This bleeding questionnaire is a tool designed to ensure a comprehensive bleeding history has been obtained and to help decide which patients should be considered for investigation of a bleeding tendency.

The most common bleeding condition in children is trauma, and after that immune thrombocytopenia. The commonest inherited bleeding disorder is von Willebrand disease which is symptomatic in approximately 1:1000 people.

The questionnaire has been validated for von Willebrand disease but is likely to be applicable to a wider range of platelet function disorders. A negative score is 2 or less and in most circumstances this would preclude investigation or referral of the child to a haematologist.

If there are further questions about the questionnaire please refer to Dr Nyree Cole (021 764216) or Dr Lochie Teague (021 723069) at Starship.
Paediatric Bleeding Questionnaire

Patient Information:

Ethnic Background:______________________________

Presenting Complaint of bleeding or bruising today?
  Yes   No

Personal history of bleeding or bruising
  Yes   No

Ever been diagnosed with a bleeding disorder?
  Yes   No
  If yes, which diagnosis______________________________

Family history of bleeding (at least one family member)
  Yes   No
  If yes, what was the diagnosis______________________________

Pedigree (draw)

Are you currently taking oral contraceptive pills?
  Yes   No
  If yes, which brand______________________________

Are you pregnant?
  Yes   No
  If yes, gestation______________________________
BLEEDING

Specify any herbals and/or medications that you have taken in the past 30 days

<table>
<thead>
<tr>
<th>Name</th>
<th>Dose</th>
<th>route</th>
<th>frequency</th>
<th>duration</th>
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Nosebleeds:

Yes ☐ No ☐

Number of episodes per year
<1 1-5 6-12 >12

Duration of average episode
< 1 minute 1-10 minutes >10 minutes

Medical attention?
Yes ☐ No ☐

If yes, Consultation only ☐ Cauterization/Packing ☐ Antifibrinolytic ☐ DDAVP ☐ Blood transfusion/Replacement ☐

Bruising:

Yes ☐ No ☐

Location:
Exposed Sites ☐ Un-exposed Sites ☐

Size of average
<1cm ☐ 1-5cm ☐ >5cm ☐

Minimal or no trauma
Yes ☐ No ☐

Medical attention?
Yes ☐ No ☐

If yes, please specify________________________________________
**Bleeding from minor wounds:**

- **Yes** □
- **No** □

**Number per year**

- **<1** □
- **1-5** □
- **>6** □

**Duration of average episode**

- **<5 minutes** □
- **>5 minutes** □

**Medical Attention?**

- **Yes** □
- **No** □

  - If yes, □ Consultation only
  - □ Surgical haemostasis
  - □ Blood transfusion/DDAVP/replacement

**Oral Cavity Bleeding:**

- **Yes** □
- **No** □

  - If yes, □ Tooth eruption
  - □ Gums, spontaneous
  - □ Gums, after brushing
  - □ Bites to lip and tongue

**Medical attention?**

- **Yes** □
- **No** □

  - If yes, □ Consultation only
  - □ Surgical haemostasis
  - □ Blood transfusion/DDAVP/Replacement

**Post Dental Extraction:**

- □ No bleeding in at least 2 extractions
- □ None done or bleeding in 1 extraction

**Medical Attention?**

- **Yes** □
- **No** □

  - If yes, □ Consultation only
  - □ Resuturing or packing
  - □ Blood transfusion/DDAVP/Replacement
BLEEDING

Gastrointestinal bleeding:

Yes ☐ No ☐

If yes, ☐ Ulcer, portal hypertension, haemorrhoids
☐ Spontaneous
☐ Surgery/Blood transfusion/DDAVP/Antifibrinolytic

Surgery:

Yes ☐ No ☐

If yes, ☐ No bleeding in at least 2 surgeries
☐ None done, or no bleeding in 1 surgery

Post-op medical attention?

Yes ☐ No ☐

If yes, ☐ Consultation only
☐ Surgical haemostasis
☐ Blood transfusion/DDAVP/Replacement

Menorrhagia:

Yes ☐ No ☐

Duration of average period________days
Duration of heavy menstruation________days
How often do you change your pads/tampons
  On heaviest days________hours
  On average days________hours

Medical attention?

Yes ☐ No ☐

If yes, ☐ Consultation only
☐ Pill use/antifibrinolytic
☐ Dilatation and Curettage
☐ Iron therapy
☐ Blood transfusion/DDAVP/Replacement
☐ Hysterectomy
BLEEDING

Post-Partum Haemorrhage:
Yes ☐ No ☐

If yes, ☐ No bleeding in at least 2 deliveries
☐ No deliveries, or no bleeding in 1 delivery

Medical attention?
Yes ☐ No ☐

If yes, ☐ Consultation only
☐ D&C/Iron therapy/Antifibrinolytic
☐ Blood transfusion/DDAVP/Replacement
☐ Hysterectomy

Muscle Haematomas:
Yes ☐ No ☐

If yes, ☐ Post-trauma, no therapy
☐ Spontaneous, no therapy
☐ Spontaneous or traumatic with DDAVP/Replacement
☐ Spontaneous or traumatic requiring surgery or transfusion

Haemarthrosis:
Yes ☐ No ☐

If yes, ☐ Post-trauma, no therapy
☐ Spontaneous, no therapy
☐ Spontaneous or traumatic with DDAVP/Replacement
☐ Spontaneous or traumatic requiring surgery or transfusion

Central Nervous System Bleeding:
Yes ☐ No ☐

If yes, ☐ Subdural, any intervention
☐ Intracerebral, any intervention
Other bleed:

Yes ☐  No ☐

If yes, specify site
☐ Umbilical stump
☐ Cephalohaematoma
☐ Bleeding at circumcision
☐ Venepuncture bleeding
☐ Suction bleeding
☐ Macroscopic haematuria

Medical attention?

Yes ☐  No ☐

If yes,
☐ Consultation only
☐ Surgical haemostasis
☐ Blood transfusion/DDAVP/Replacement
## Scoring Key

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Score</th>
<th>-1</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
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</thead>
<tbody>
<tr>
<td>Epistaxis</td>
<td>Consultation only</td>
<td>Packing or cautery or antifibrinolytic</td>
<td>Blood transfusion or DDAVP or replacement therapy</td>
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<tr>
<td>No or trivial (&lt;5)</td>
<td>&gt;5 or more than 10 mins</td>
<td>Consultation only</td>
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<td>Cutaneous</td>
<td>Consultation only</td>
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<td>No or trivial (&lt;1cm)</td>
<td>&gt;1cm and no trauma</td>
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<tr>
<td>Bleeding from Minor Wounds</td>
<td>Consultation only</td>
<td>Surgical haemostasis</td>
<td>Blood transfusion or DDAVP or replacement therapy</td>
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<tr>
<td>No or trivial (&lt;5)</td>
<td>&gt;5 or more than 5 mins</td>
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<tr>
<td>Oral Cavity</td>
<td>Consultation only</td>
<td>Surgical haemostasis or antifibrinolytic</td>
<td>Blood transfusion or DDAVP or replacement therapy</td>
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<td>No</td>
<td>Referred at least once</td>
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<tr>
<td>Tooth Extraction</td>
<td>Consultation only</td>
<td>Resuturing or packing</td>
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<tr>
<td>No bleeding in at least 2 extractions</td>
<td>Reported, no consultation</td>
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<tr>
<td>None done or no bleeding in 1 extraction</td>
<td>Consultation only</td>
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<tr>
<td>GI Bleeding</td>
<td>Consultation only</td>
<td>Surgical haemostasis or antifibrinolytic</td>
<td>Blood transfusion or DDAVP or replacement therapy</td>
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<tr>
<td>No</td>
<td>Associated with ulcer, portal hypertension, haemorrhoids, angiodyplasia</td>
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<tr>
<td>No bleeding in at least 2 surgeries</td>
<td>Non done or no bleeding in 1 surgery</td>
<td>Consultation only</td>
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<tr>
<td>Surgery</td>
<td>Surgical haemostasis, blood transfusion, replacement therapy, DDAVP, antifibrinolytic</td>
<td>Blood transfusion or DDAVP or replacement therapy</td>
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<tr>
<td>No bleeding in at least 2 deliveries</td>
<td>Reported, no consultation</td>
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<tr>
<td>Menorrhagia</td>
<td>Consultation only</td>
<td>Antifibrinolitics, pill use</td>
<td>Blood transfusion or DDAVP or replacement therapy</td>
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<tr>
<td>No</td>
<td>D&amp;C, iron therapy, ablation</td>
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<tr>
<td>Post-Partum Haemorrhage</td>
<td>Consultation only</td>
<td>D&amp;C, iron therapy, antifibrinolitics</td>
<td>Blood transfusion or DDAVP or replacement therapy</td>
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<tr>
<td>No bleeding in at least 2 deliveries</td>
<td>None or no bleeding after 1 baby</td>
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<tr>
<td>Muscle Haematomas</td>
<td>Spontaneous or traumatic requiring DDAVP or replacement therapy</td>
<td>Spontaneous or traumatic requiring surgical intervention or blood transfusion</td>
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<tr>
<td>Never</td>
<td>Post trauma, no therapy</td>
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<tr>
<td>Haemarthrosis</td>
<td>Spontaneous or traumatic requiring DDAVP or replacement therapy</td>
<td>Spontaneous or traumatic requiring surgical intervention or blood transfusion</td>
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<tr>
<td>Never</td>
<td>Post trauma, no therapy</td>
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<tr>
<td>CNS Bleeding</td>
<td>Spontaneous or traumatic requiring surgical intervention or blood transfusion</td>
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<tr>
<td>Never</td>
<td>Subdural, any intervention</td>
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<tr>
<td>Other</td>
<td>Consultation only</td>
<td>Surgical haemostasis, antifibrinolytic or iron therapy</td>
<td>Blood transfusion, replacement therapy or desmopressin</td>
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<td>No</td>
<td>Reported</td>
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Cookies: | 0 | 1 | 2 | 3 | 4 |

*Note: The electronic version of this guideline is the version currently in use. Any printed version cannot be assumed to be current. Please remember to read our disclaimer.*
For von Willebrand Disease and a Score ≥2

Sensitivity = 84%
Specificity = 75%
Positive Predictive Value = 0.15
Negative Predictive Value = 0.99

A bleeding score of ≥2 has a likelihood ration of 3.5 (2.1 – 5.4)

References