

LRI Emergency Department Suspected leg DVT

Do not use if

- <16 years of age
- Known pregnancy or <8d post-partum
- Features suggestive of PE
- Limb ischaemia suspected
- T >37.9° C (likely cellulitis)
- Features explicable by
 - ★ Obvious acute injury
 - ★ Insect bite / skin wound
- Asymptomatic in last 72h

Disclaimer:
This is a clinical template; clinicians should always use judgment when managing individual patients

Re-approved by EDGC (chair) on 20Jun24
Next review due Jun27 · Trust Ref: C59/2016

Patient details

Full name

DoB

Unit number

(use sticker if available)

① Is DVT likely?

Tick any applicable 'Wells' criteria below and record total score at the bottom

- Undergoing active or palliative cancer treatment in last 6/12
- Leg paralysis, paresis or plaster immobilization within last 12/52
- Bedridden >3 days, or surgery under general or regional anaesthesia, in last 12/52
- Localised tenderness along deep venous system distribution
- Entire leg swollen

Record calf circumference 10cm distal to tibial tuberosity before determining the next feature

- L cm R cm
- Affected calf larger than the other side by 3cm or more (see above)
 - Pitting oedema (NB: tick only if found in symptomatic leg only)
 - Collateral (non-varicose) superficial veins
 - Previously documented DVT
 - Alternative at least as likely as DVT

Yes – as 'Wells score' > 1
 No – as 'Wells score' < 2

② D-Dimer cut-off

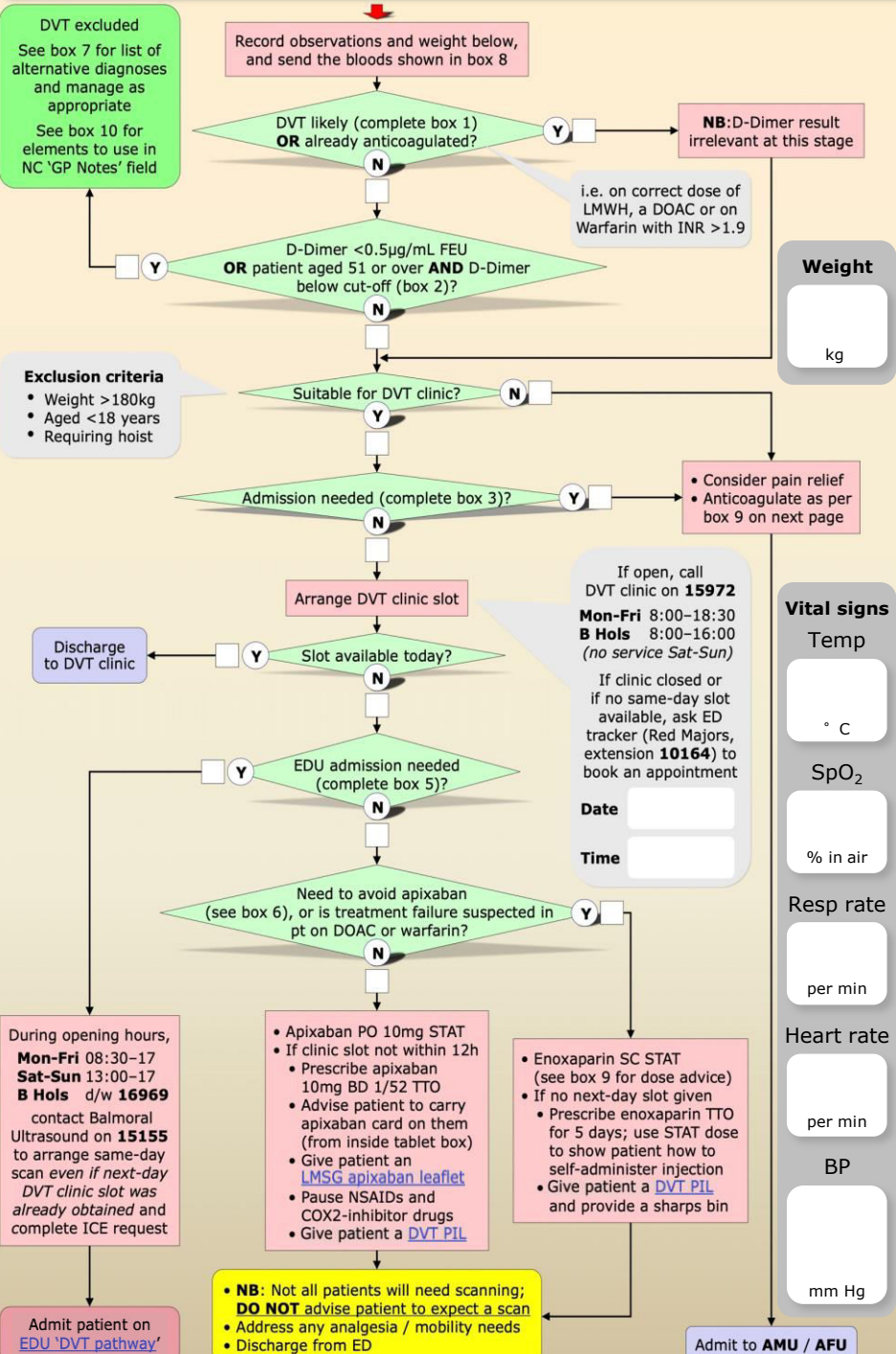
NB: Use only if patient aged 51 years or older
Record patient's age and age-adjusted cut-off value for normal D-Dimer in the boxes below
Cut-off is calculated by dividing age by 100 (e.g. if patient is 63 years old, cut-off is 0.63)

Age Cut-off

③ Medical admission needed?

- YES** – as at least one of the below
- Admission required for non-VTE reason
 - Instability (BP <100 / HR >100 / SpO₂ <94%)
 - 3 or more doses of IV opiates needed in ED
 - Known active cancer **AND** 30-day mortality risk high (see box 4)
 - Life or limb threatening DVT features
 - Phlegmasia cerulea dolens (i.e. very painful **BLUE** leg due to extensive venous occlusion)
 - Phlegmasia alba dolens (i.e. very painful **WHITE** leg due to arterial spasm due to DVT)
 - NB:** Refer to vascular surgical 'registrar': May require surgery or radiological intervention
 - Increased bleeding risk
 - Hb <100 unless known to be chronic and stable
 - Any active bleeding
 - Platelet count <75,000
 - Prolonged PT or APTT (INR or APTR >1.2)
 - Inherited bleeding disorder (e.g. haemophilia or von Willebrand disease)
 - Acquired bleeding disorder (e.g. chronic liver disease or acquired Haemophilia A)
 - Systolic BP >180 or diastolic BP >110
 - Gastrointestinal bleed <2/52 ago
 - Surgical procedure <2/52 ago
 - Cerebral neoplasm that has bled previously
 - Non haemorrhagic stroke <1/52 ago
 - Haemorrhagic stroke <2/52 ago
 - Spontaneous intracerebral bleed <2/52 ago
 - Sub- or extradural haematoma <10/7 ago
 - Traumatic SAH <10/7 ago
 - Cerebral haemorrhagic contusion <10/7 ago
 - Neurosurgical procedure <48 hours ago
 - LP/epidural/spinal anaesthesia <4 hours ago
 - Eye surgery/retinal lasering <48 hours ago
 - On treatment for bacterial endocarditis
 - Haemorrhagic pericardial effusion
 - Haemorrhagic pleural effusion
 - Not eligible for apixaban (box 6) **AND ALSO**
 - On dialysis or creatinine clearance (CrCl) <30
 - Hypersensitivity to any heparin product
 - History of heparin-induced thrombocytopenia
- NO** – as none of the above

To prescribe apixaban & enoxaparin in NC Meds, go to Emergency Medicine (ED) > Anticoagulation (ED)



Completed by

Print name Signature Role Date Time

④ 30-day cancer mortality

If known active cancer, click on (or point smartphone at) the QR code to get to the [POMPE-C tool on MDCalc](#)



- HIGH** – greater than 5%
- LOW** – 5% or lower

%

⑤ EDU admission needed?

- YES** – as at least one of the below

- Unable to arrange return to hospital for scan
- Unable to mobilise / self-care safely
- Need to arrange district nurses to give LMWH
- Neither patient nor carer (if any) able to understand / follow instructions / advice

- NO** – as none of the above

⑥ Need to avoid apixaban?

- YES** – as one or more of the below

- Age <18 (medicine is unlicensed in children)
- ALT >106 IU/L
- Weight <50kg
- Unable to swallow tablets
- Known antiphospholipid syndrome
- Currently breast feeding
- On treatment with another anticoagulant
- Oesophageal varices
- Active luminal malignancy of GI or GU tract
- Vascular aneurysms
- Arteriovenous malformations (AVMs)
- Undergoing dialysis
- Creatinine clearance (CrCl) <15 (applicable only if eGFR <30; use [UHL CrCl online calculator](#) on ED 'drugs & fluids' page; record result in box 8)
- Current treatment with
 - Protease inhibitors, e.g. ritonavir
 - Carbamazepine
 - Phenytoin
 - Phenobarbital
 - Rifampicin
 - Azole-antifungals, e.g. ketoconazole
 - St. John's Wort

- NO** – as none of the above

⑦ Alternative diagnoses

If recent onset

- Torn gastrocnemius muscle
- Superficial thrombophlebitis
- Baker's cyst
- Cellulitis
- Joint effusion or haemarthrosis
- Arthritis
- Dermatitis
- Fracture
- Haematoma
- Acute arterial ischaemia
- Compartment syndrome

If chronic features

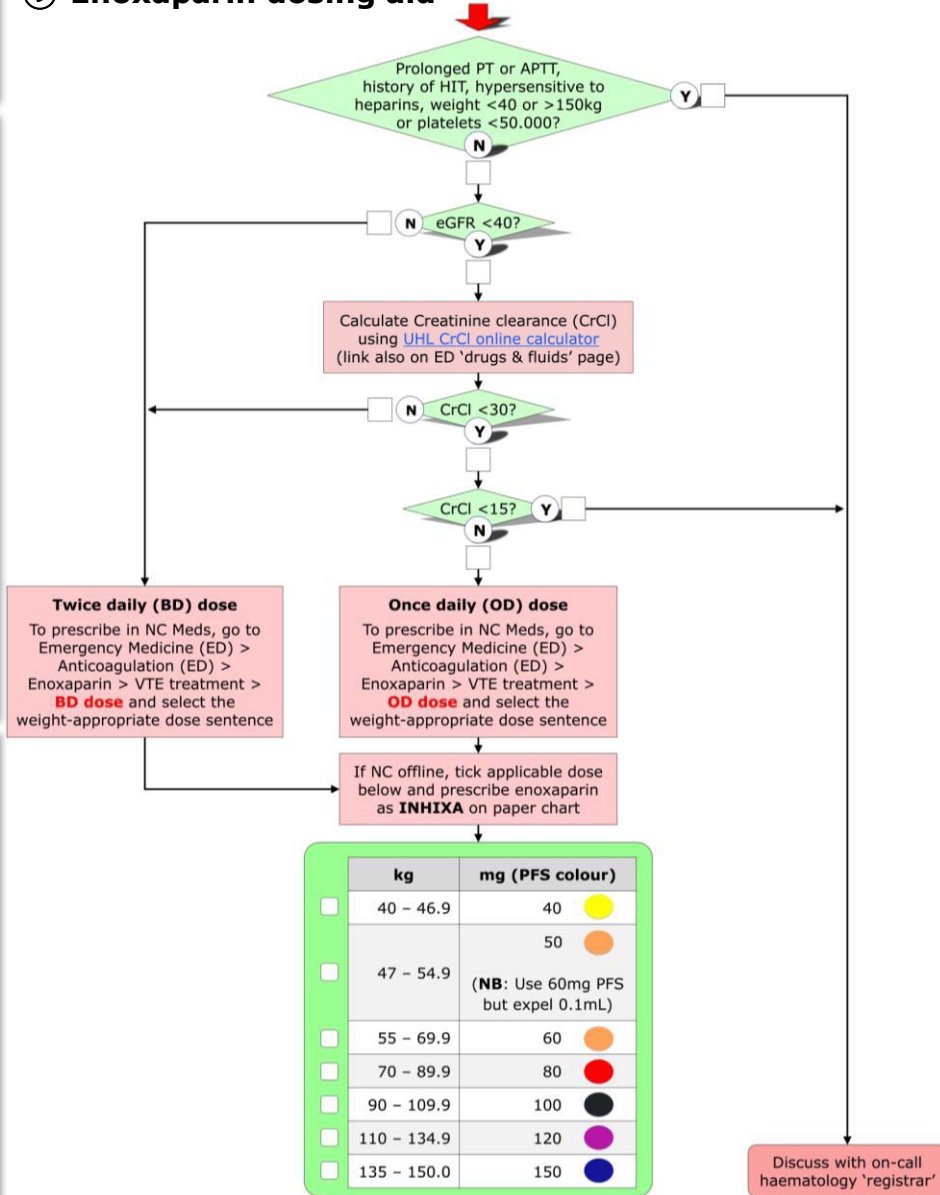
- Congenital vascular disease*
- Haemangioma
- Klippel-Trenaunay syndrome
- Venous disease*
- Post-thrombotic syndrome
- Lipodermatosclerosis
- Chronic venous insufficiency
- Venous obstruction
- Lymphoedema*
- Cancer treatment
- Infection
- Tumor
- Trauma
- Pretibial myxoedema
- Other*
- Heart failure
- Reflex sympathetic dystrophy
- Idiopathic oedema of women
- Hypoproteinaemia; e.g. cirrhosis
- nephrotic syndrome
- Armchair legs
- Lipoedema

NO alternative diagnosis identified

⑧ Bloods

| FBC | U&E | LFT | Coagulation Screen |
|-----------|------|---------|--------------------|
| WBC | Na | Albumin | INR |
| Hb | K | Bili | PT |
| Platelets | Urea | AP | APTT |
| | Crea | ALT | D-Dimer |
| CRP | eGFR | CrCl | Glucose |

⑨ Enoxaparin dosing aid



⑩ Nervecentre discharge letter template

Copy & paste text below into the 'GP Notes' box and add / delete [including help text] as appropriate

Dear Doctor - your patient attended our ED today with [enter presenting complaint as a single sentence].

The presentation raised the suspicion of a leg DVT, but we were able to exclude this using the structured process shown on our ED proforma (you can view it by typing 'bit.ly/lri-ed-leg-dvt' into your browser).

The main clinical findings were [please add]. Key tests results included [please add].

[Delete one of the following two sentences as applicable]

The most likely diagnosis is [add the appropriate item from the list of differentials shown in box 8].

An alternative diagnosis has not yet been established; please note diagnosis has been found to remain unclear in around 1 in 4 patients investigated for DVT.

Treatment included [please add]. We have advised your patient to [please add].

[Please add any actions that might be needed at the GP surgery here; but bear in mind that our general practice colleagues' ability to act within 3 weeks will usually be very limited.]