

## FGH protocol for treatment of anticoagulant-associated ICH

### 1 Anticoagulant-associated ICH is an emergency

- **Rapid recognition:** Always ask about anticoagulants in patients with acute stroke symptoms *regardless of onset time*
- **Urgent scanning:** Arrange urgent CT brain scan at next available slot
- **ICH on scan:** initiate immediate treatment

#### Anticoagulants

**Vit K antagonists:**

warfarin, Sinthrome

**DOACs:** apixaban, dabigatran, rivoroxaban, edoxaban

### 2 VKA-ICH: give Beriplex and Vitamin K

1. **Send urgent INR** - if confident that patient has taken VKA in last 72 h proceed to box 3, below
2. **Dose Beriplex** based on patient weight and INR (see table below)
3. **Prescribe Beriplex** on transfusion prescription sheet—complete a separate line for each bottle
4. **Collect Beriplex** from blood bank
5. **Draw up Beriplex** and then administer at 8 ml/min
6. **Give Vitamin K** at 10 mg IV once Beriplex has commenced

#### **Blood Bank**

82598

#### **Beriplex quick dosing guide**

	Dosing	30 kg	40 kg	50 kg	60 kg	70 kg	80 kg	90 kg	100+
<b>INR 1.3-3.9</b>	25 IU/kg	750	1000	1250	1500	1750	2000	2250	2500
<b>INR 4.0-6.0</b>	35 IU/kg	1050	1400	1750	2100	2450	2800	3150	3500
<b>INR &gt; 6</b>	50 IU/kg	1500	2000	2500	3000	3500	4000	4500	5000

**Treat as quickly as possible—target door-to-needle time < 90 min**

### 3 VKA-ICH: Beriplex dose without INR result

1. **Send urgent INR** but do **not** wait for result before commencing Beriplex
2. **Dose Beriplex** assuming INR is 1.3-3.9 (see first row of table above)
3. **Prescribe Beriplex** on transfusion prescription sheet—complete a separate line for each bottle
4. **Collect Beriplex** from blood bank
5. **Draw up Beriplex** and then administer at 8 ml/min
6. **Give Vitamin K** at 10 mg IV once Beriplex has commenced
7. **Check baseline INR result** - if result is >3.9 give **additional** Beriplex dose using table below

	Dosing	30 kg	40 kg	50 kg	60 kg	70 kg	80 kg	90 kg	100+
<b>INR 4.0-6.0</b>	35 IU/kg	300	400	500	600	700	800	900	1000
<b>INR &gt; 6</b>	50 IU/kg	750	1000	1250	1500	1750	2000	2250	2500

### 4 Recheck INR after treatment

1. Repeat INR 30 min and 6 h after end of infusion of Beriplex
2. If repeat INR > 1.2, seek haematology advice on further management

### 5 ICH on DOACs (dabigatran, apaxiban, rivaroxaban, edoxaban)

1. Send urgent coagulation screen, thrombin time (dabigatran only) and anti-Xa assay (apixiban, rivoroxaban, edoxaban)
2. Contact haematology on call registrar (3005)