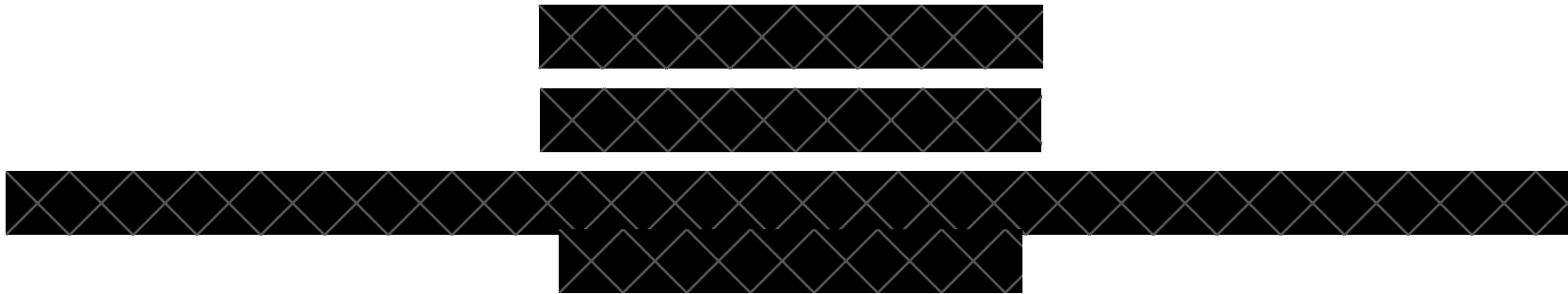



Neurosurgery Team Audit

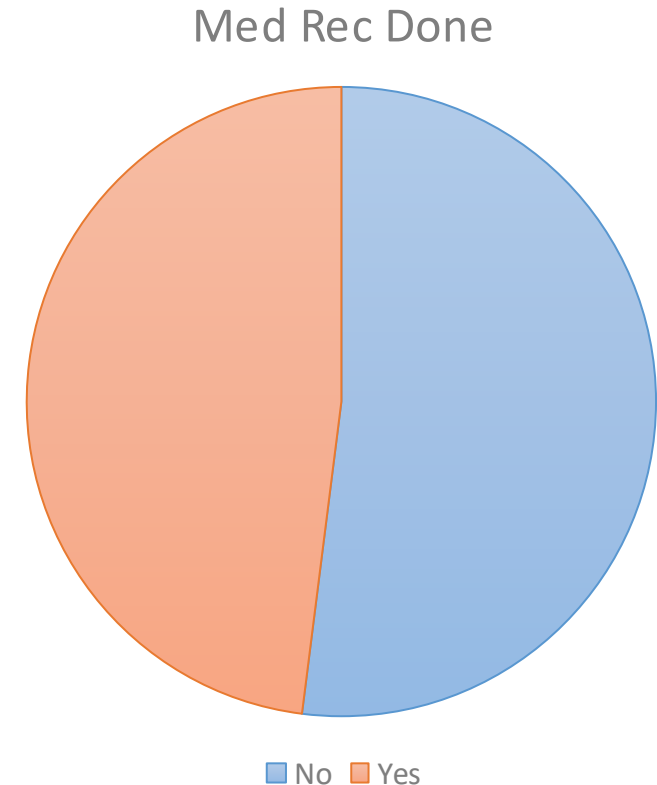


Audit Topics – Neurosurgery Department


- Medicine reconciliation documentation
- Venous thromboembolism prophylaxis assessment & prescribing
- Documentation of long-term anticoagulant / antiplatelet guidance for patients in discharge summary
 - Duration First cycle: 
 - Number of patients: 44

Medicine Reconciliation

- “Med Rec” forms are a list of medications patients were taking immediately prior to hospital admissions, used to guide inpatient care and discharge amendments.
- This audit sought to check how many patient's med recs were being completed on HEPMA as a standard clerking practise
- **Findings:** For 23 patients (out of 44) – **52%** - did not have med rec done.



Venous thromboembolism prophylaxis assessment and prescription

SURGICAL			
Pt Addressograph		Date of admission:	
		Date of first assessment:	
		Assessed by:	Designation:
SURGICAL		<u>Provide all patients with VTE information leaflet</u>	
Is the patient known, or expected to have, significantly reduced mobility relative to normal state? (\geq than 3 days)		Yes	No
Does the patient have active cancer / receiving cancer treatment?		Yes	No
Does local or national policy exist that dictates the use of chemoprophylaxis?		Yes	No
If NO to all of above, risk assessment is complete and no chemoprophylaxis is required at present <div style="display: flex; justify-content: space-between; align-items: center;"> Assess patient for anti embolism stockings <input type="checkbox"/> </div>			
Continue to review every 48hrs or sooner if condition changes.			
YES TO ANY OF THE ABOVE, COMPLETE RISK ASSESSMENT BELOW DOES THE PATIENT HAVE ANY RISK FACTORS FOR THROMBOSIS? ↓TICK ALL THAT APPLY↓			
Immobility known or predicted for \geq 3 days		Use of oestrogen-containing contraception, hormone replacement therapy, or assisted reproduction therapy	
Significant medical co-morbidities e.g. heart disease, metabolic, endocrine or respiratory disorders, acute infection, inflammatory condition, sickle cell anaemia.		Personal history of VTE or a first degree relative with a history of unprovoked VTE	
Active cancer or receiving cancer treatment.		Pregnancy or < 6 weeks post partum	
Dehydration		Varicose veins with a history of phlebitis	
Known thrombophilia*		Hip fracture or hip or knee replacement	
Obesity (BMI>30 kg/m ²)		Total anaesthetic time > 90 mins	
Critical care admission e.g. HDU/ITU		Surgery involving pelvis or lower limb with a total anaesthetic + surgical time > 60 mins.	
Age >60 years		Acute surgical admission with inflammatory or intra abdominal condition.	
YES TO ONE OR MORE RISK FACTORS, NOW ASSESS BLEEDING RISK AND CONTRAINDICATIONS TO PHARMACOLOGICAL PROPHYLAXIS? ↓TICK ALL THAT APPLY↓			
Active bleeding		Thrombocytopenia (<75,000/u/l)	
Acquired or suspected bleeding disorder (e.g. liver failure)		Untreated inherited bleeding disorder (e.g. haemophilia or von Willebrand disease)	
Concurrent therapeutic use of anticoagulants such as warfarin, rivaroxaban, apixaban and dabigatran		Planned or recent surgery or intervention with high bleeding risk. Seek expert advice.	
On acute coronary syndrome (ACS) protocol, treatment dose of Dalteparin or Fondaparinux, while waiting for results of Troponin, VQ and/or Doppler		Lumbar puncture, epidural/spinal procedure expected within the next 12 hours or carried out in the previous 4 hours.	
Uncontrolled hypertension (\geq 230/120 mmHg)			
Acute stroke		Heparin induced thrombocytopenia	

SEE OVER FOR PHARMACOLOGICAL PROPHYLAXIS.

RE-ASSESSMENT OVERLEAF.

[illegible]

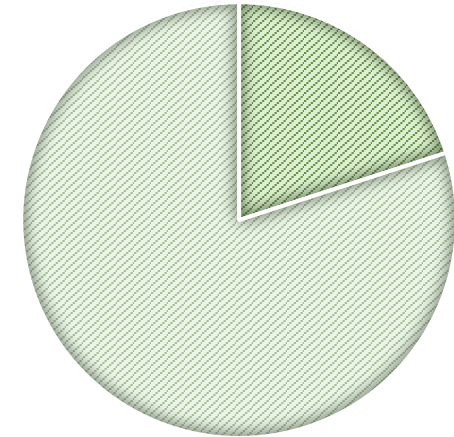
Test of change: SPSP Quality Improvement Version 2.3 January 2013

Findings

- VTEp Assessment is not documented on HEPMA except for pharmacy notes.
- Out of the 44 patients, 15 were prescribed VTEp.
 - 5 of which did not have a plan written on trakcare.
 - 3 were prescribed wrong dose (5000u) when BMI <30 or BMI not written.
 - 1 patient was written 2500u without BMI.
 - 6 patients stayed > 3days (average 7.7 days) and were not prescribed VTEp nor assessed.

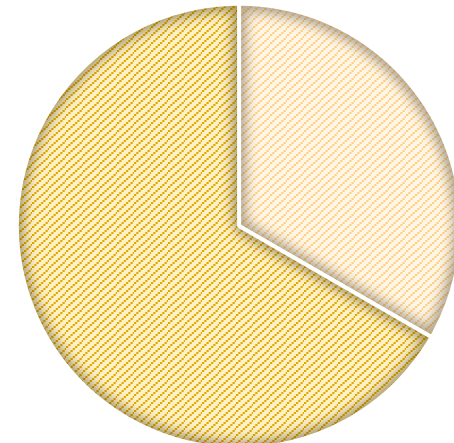
DOSE

■ WRONG ■ RIGHT



PLAN ON TRAKCARE?

■ No ■ Yes



Documentation of long-term anticoagulant / antiplatelet guidance

- Out of the patients that had ACO before being admitted, we analysed whether they had an ACO plan or guidance for when, how and if to reassume their medication.
- Total amount of patients that came with clopidogrel / aspirin was 7 (out of 44) = 16%.
 - 3 patients left with a plan
 - 1 passed away
 - 2 Discharge letter was not able to be obtained
 - 1 End of life care


Recommendations

- Medicine reconciliation documentation:
 - Complete med rec as a standard clerking practise.
- Venous thromboembolism prophylaxis assessment & prescribing:
 - Assess whether any patient in the ward needs VTEp by using NHS Grampian Guidelines, particularly immobilization > 3 days.
 - When VTEp is prescribed, please make sure there is a clear plan for it written in trakcare.
 - When VTEp is prescribed, **please make sure** the BMI is written in trakcare and VTEp dosage is calculated accordingly.
- Documentation of long-term anticoagulant / antiplatelet guidance for patients in discharge summary:
 - No recommendations made for this set of patients.

Interventions

- Med rec, VTEp prescription and discharge letters (where ACO plans are written) are done by Junior Doctors. Therefore, we consider followings measures to be appropriate:
 - Presentation in the Neurosurgery department.
 - Work with Junior Doctors onsite to address the topics. We will convey the findings and recommendations via mail and in Doctors office as a reminder.

What is next?

- Second cycle of audits between 
 - Data analysis.
 - Presentation of results in July.
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- Thanks 😊