

Safer, Better, Faster treatment of patients with Deep Vein Thrombosis



BACKGROUND:

Acute venous thromboembolism has an annual incidence of 1-2 per 1000 persons.

Vitamin K antagonists were the traditional treatment but have disadvantages: •Require lab monitoring •Annual risk of major bleeding 1-

 Dose adjustments Drug and food interactions 2%

RESULTS:

ultrasounds were 140 doppler requested for suspected DVT from ED and AAU. 14 of these were positive for DVT

Patient Characteristics

RE-AUDIT:

We performed the re-audit using the same methodology for the 6 period from July to month December 2015. There were 12 confirmed DVTs. 10 of these were treated with DOACs

and 2 with LMWH (oncology patients for whom DOACs are not licensed).



Direct oral anticoagulants (DOACs) offer a safe, cost effective alternative.¹

AIMS:

- document our То current practice in managing patients with confirmed DVT.
- ensure safe, efficient 2. To management of patients with

Mean age	60 years			
Sex M:F	1:1			
Provoked	7%			
Unprovoked	93%			
Admitted (%)	100%			

50% of the patients were treated LMWH/Warfarin although with 100% were suitable for a direct oral anticoagulant. The length of stay was 0-16 days with a mean of 4 days.

	Pre	Post
Sex M:F	1:1	1:1.25
Mean Age	60	71
No. of confirmed DVTs	7	12
Admitted (%)	7(100%)	3(25%)

confirmed DVT.

introduce 3. outpatient То DOACS for treatment with suitable patients.

AUDIT:



We carried out an audit between September 2013 to March 2014 -to identify how many Doppler US scans we are doing -to identify patients with confirmed DVT and look at how they were managed Patients with confirmed DVT were identified retrospectively using the radiology PACS. The charts of these patients were reviewed and the relevant data extracted.

For patients on warfarin the time to therapeutic range was 2-22days. **INTERVENTION:**

We introduced a care pathway for management of patients with DVT (Part 1) suspected and confirmed DVT (Part 2). This helped to risk stratify the patients and guide further investigation and management.

It also focused on outpatient treatment with DOAC if the patient was suitable.

The length of stay for those admitted was a range of 2-11 days. The indication for admission in all cases was for other co-morbidities or social reasons.

bleeding There were no complications in any patient during the study period.

DISCUSSION:

Introduction of an evidence based care pathway for patients with confirmed DVT has resulted in safer, better and faster treatment.

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Part 1: CARE PATHWAY FO DEEP VENOUS THR	OR SUSPECTED OMBOSIS	F	Part 2: CON	FIRMI	ED DVT ON E	OPPLE	R ULTRASOU
URSING ASSESSMENT TIME BP: Temp: R ⁱ	Val Nurse espirations:	Medic	al Assessment	of patie	ent with newly dia	agnosed D	VT
		Prec	ipitant	Tick	Past medical	Tick	Obstetric history
		Frac	ture		Known		Pregnancy
		Imm	obility/travel		IHD		Stillbirth
		Can	cer		Diabetes		Pre-eclampsia
		Medi	ical illness		Hypertension		IUGR
		Majo	r surgery		IV drug use		Prematurity
lature		Para	lysis		HIV positive		Miscarraige
ame: Designation:	Bleep No:	Previo (Mention	us VTE? when, investigations	done, pre	cipitating factors, how it	was treated, ar	nd for how long?)

The reduced admission rates have resulted in a significant cost saving for the hospital. It has also made beds available for other patients thus improving patient flow. The variety of DOACs now available provide the clinician with discretion when prescribing.