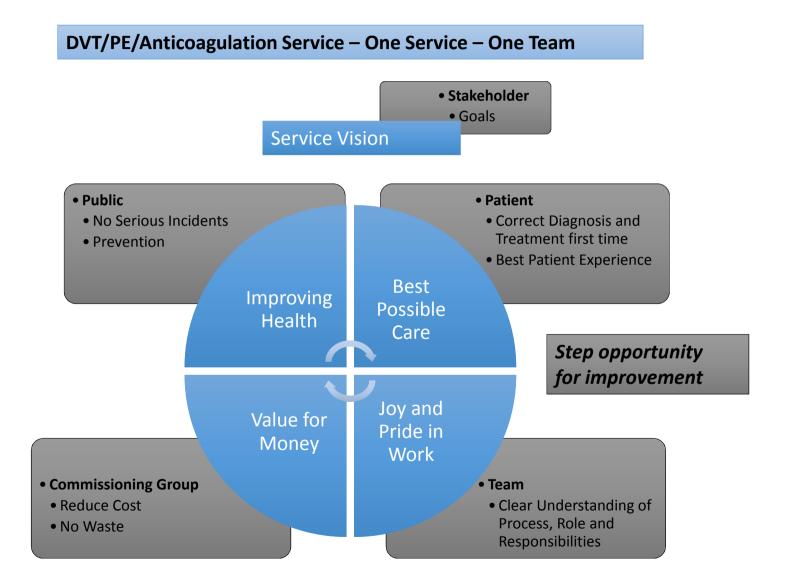
DVT Assessment Module

- Seamless referral and GP communication
- Improved clinical governance and audit trail
- A WIN-WIN-WIN

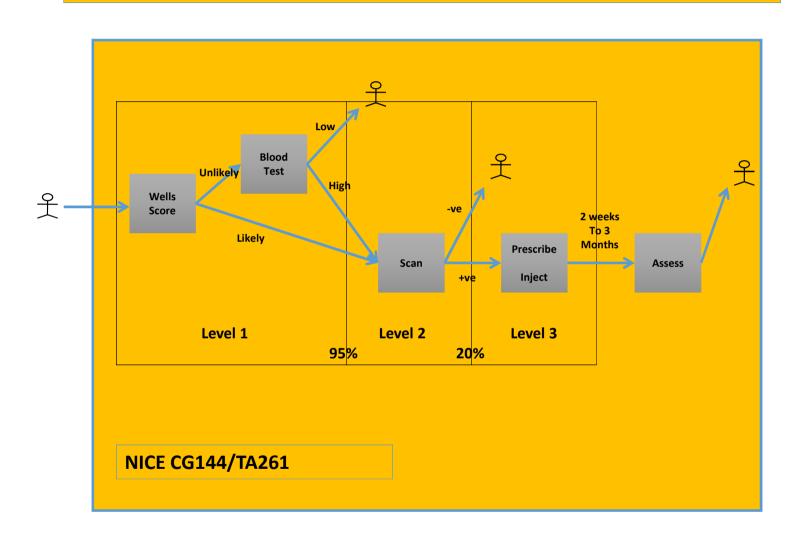




Approach and principles moving forward

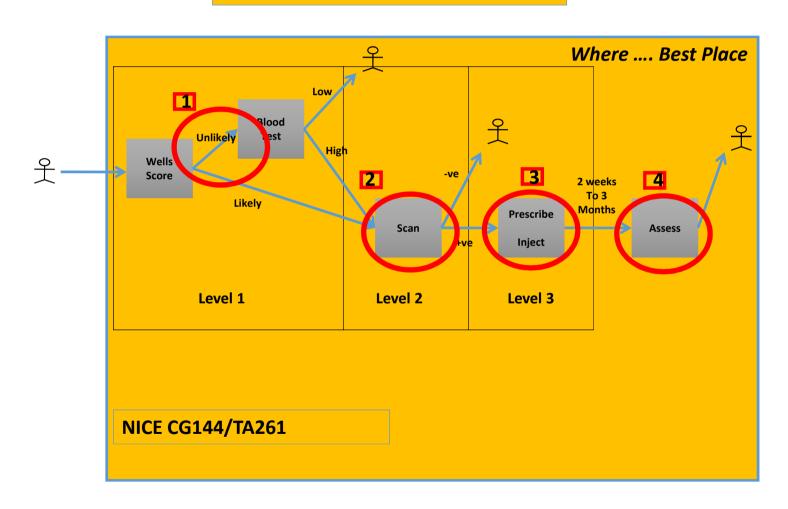


DVT Service – One Service – One Team



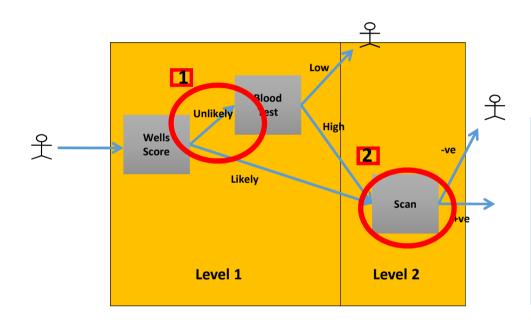
Programmed to think "Primary Care – Secondary Care" Reprogram to Specialist-generalist – not site specific

DVT Service – One Service – One Team



Programmed to think "Primary Care – Secondary Care" Reprogram to Specialist-generalist – not site specific

DVT Service – One Service – One Team



NICE CG144/TA261

Where Best Place

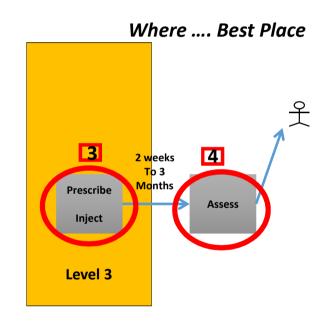
QS29

- 1.People with suspected DVT are offered an interim therapeutic dose of anticoagulant therapy if diagnostic investigations are expected to take longer than 4 hours from first clinical suspicion
- 2. People with suspected DVT have all their diagnostic investigations within 24hours of first clinical suspicion

Programmed to think "Primary Care – Secondary Care" Reprogram to Specialist-generalist – not site specific

QS29

- 4. People with proximal DVT are offered below knee GECs within 3 weeks of diagnosis
- 5. People with unprovoked DVT or PE who are not already known to have cancer are offered timely investigation for cancer
- 6. People with provoked DVT or PE are not offered thrombophilia testing
- 7. People with active cancer and confirmed DVT or PE are offered anticoagulation
- 8. People w/o Ca receive a/c therapy have a r/v within 3/12 to discuss risks and benefits if ongoing a/c
- 9.People with active Ca on a/c have r/v within 6/12 to discuss risks and benefits of ongoing a/c



Moving from the old.....





to the new – AMBULATORY CARE CENTRE – sandwiched between ED and radiology

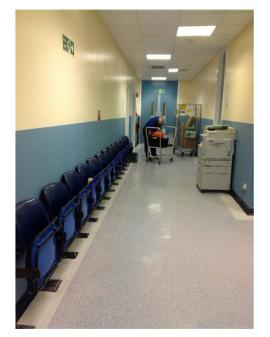


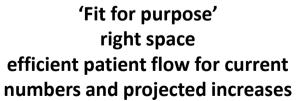




Our new home – August 2013







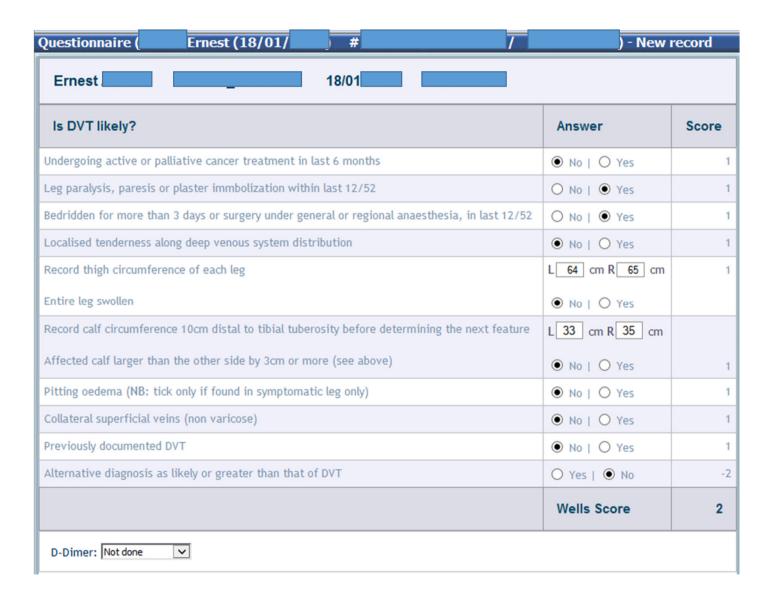


	Scanned (% of total scanned)	+ve (% of total +ves)	% +ves in ambulatory and non ambulatory settings
Acute ambulatory DVT service	2928 (70%)	657(76%)	22%
Non ambulatory	1237(30%)	204(24%)	16.5%
Total	4165	861	21%

CRIS radiology database April2012-EO March 2014

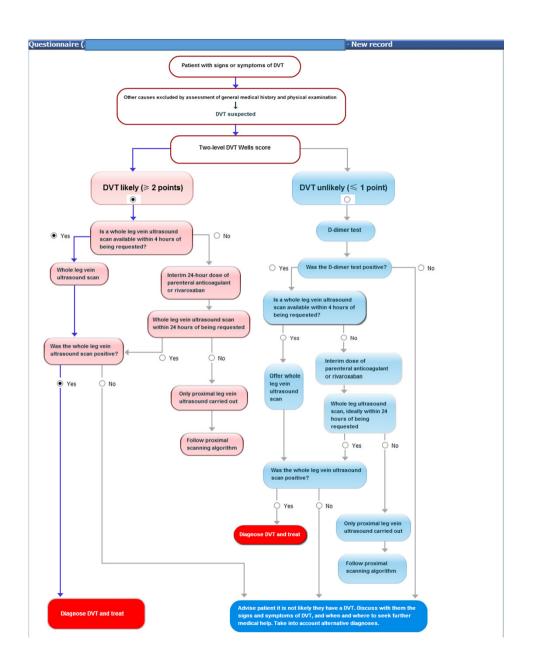
Positive scans ie DVT	N=660	Further detail
Proximal	437 (66%)	39 HATs, 49 IF (30 IVDU,6 cancer,1 PP,2 HATS), 53 STP
Distal	223 (33%)	50 calf muscle (22%), 57 HATS
Known cancer	70 (11%)	44 proximal, 6 IF, 25 distal, 25 LMWH
LMWH	96 (14.5%)	25 cancer, 53 STP
Rivaroxaban	7 (1%)	541 eligible for rivaroxaban if 1 st DVTs treated (474 if cancer patients treated with LMWH)
rDVT	119(18%)	NOT ELIGIBLE FOR RIVAROXABAN

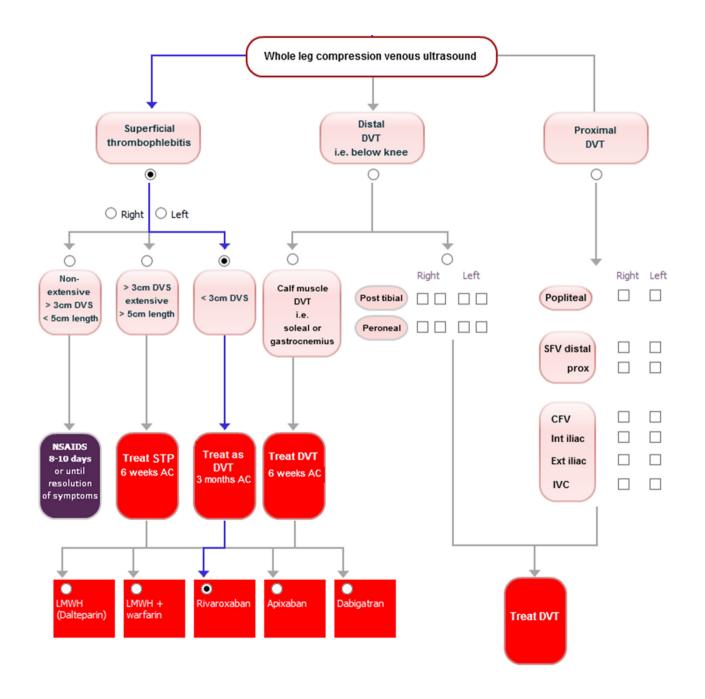
Acute ambulatory DVT clinic database April 2013-EO March 2014



Relevant History	
History of present complaint	Presented with DVT like symptoms following hospitalisation and plaster immobilisation for broken leg
Relevant clinical history	No previous history of VTE
Family history of VTE	○ No ● Yes
Family history of thrombophilia	● No ○ Yes
Hormonal risk factor	● No ○ Yes
Recent long distance travel	● No ○ Yes
Surgery in past 6 months	Yes - reset broken leg
Smoker	Yes - 20 per day
Malignancy	No
- Chemotherapy	No
- Radiotherapy	NO

Observations	
Weight	85 kg
Blood Pressure	130 over 90 mmHg
Respiration	17 breaths per min
Temperature	37 °C
Pulse	72 beats per min
Oxygen Saturation	92 %
Leg length	86.3 cm





Outcome: Superficial Thrombophlebitis - 3 months anticoag

Scan performed:	
Within 4 hours O Within 24 hours O Over 24 hours	Over 48 hours Over 72 hours
Send GP Letter/Email	
Stop Treatment Plan	

QS29

1.People with suspected DVT are offered an interim therapeutic dose of anticoagulant therapy if diagnostic investigations are expected to take longer than 4 hours from first clinical suspicion

2. People with suspected DVT have all their diagnostic investigations within 24hours of first clinical suspicion

- 1. Interim a/c choices
- 2. Time to scan audit



	Oct 13	Nov 13	Dec13	Jan14	Feb14	Mar14
Total scans	288 (+25%)	217(+26%)	254(+26%)	260(+28%)	264(+23%)	291(+21%)
Rescans	20 (7%)	11(5%)	13(5%)	15(6%)	15(6%)	23(8%)
Scan<4hours	78%	85%	83%	84%	83%	78%
Scan<24hours	19%	12%	12%	10%	11%	16%
SCANNED WITHIN 24HRS	97%	97%	95%	94%	94%	94%

University Hospitals of Leicester WHS

DIRECT LINE: 0116 258 5972

DVT CLINIC



19 September 2014

Outcome: Superficial Thrombophlebitis requiring 3 months anticoagulation

(please see below pathway of decision making)





Ernest A attended the DVT Clinic today with a suspected Deep Vein Thrombosis.

A diagnosis of Superficial Thrombophlebitis, requiring 3 months anticoagulation with **Rivaroxaban**, was made using the following pathway.



ACTION REQUIRED BY GP:

- Prescription for below knee graduated elasticated compression (GECs) hosiery (Class2) 2 pairs on repeat prescription for replacement every 3 4 months
 Reinforce healthy lifestyle advice.

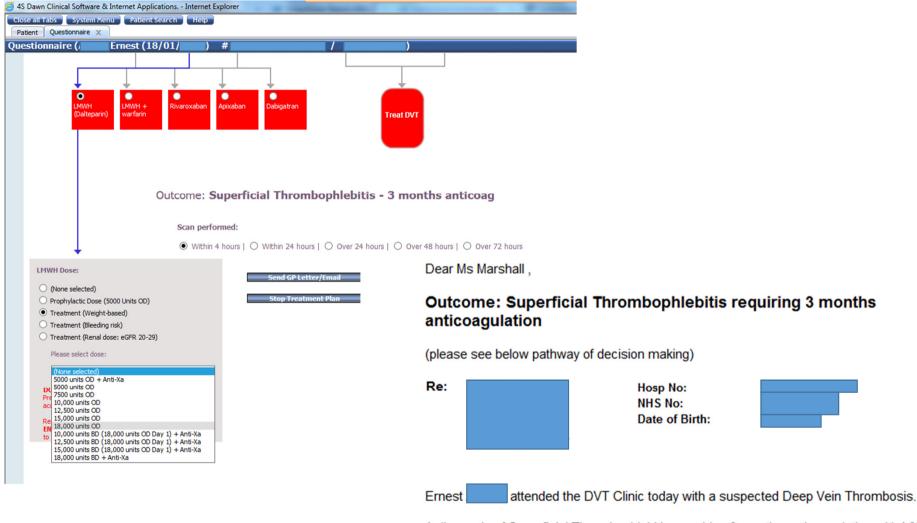
INFORMATION GIVEN TO PATIENT:

- To wear below knee class 2 GECs; put on first thing in am and take off when going to bed
 Signs and Symptoms of DVT
 DVT prevention measures at times of immobility
 Anticoagulation information and follow up
 Litestyle advice

Ernest has been informed of these results and has now been referred back to you. The patient has been given the scan results.

Dawn Support DVT and Anticoagulation Specialist Sister pp. Dr J Strong, Consultant Haematologist - Head of Service - Tel: 0116 258 3500

Trust Headquarters, Gwendolen House, Gwendolen Road, Leicester, LE5 4QF Chairman: Mr Martin Hindle; Chief Executivo: Mr John Adler; Website: www.uhl-tr.nhs.uk



A diagnosis of Superficial Thrombophlebitis, requiring 3 months anticoagulation with **LMWH** (Dalteparin) 18,000 units OD (treatment dose - weight based), was made using the following pathway.

DVT: DVT Assessment	
	stopped
Start date	27/06/2014
Duration	Treatment stopped - Stopped at: 19/09/2014 12:28 PM
Diagnosis	
TherapyTemplate	DVT Assessment
Referring Physician	Prince Regent Infirmary - Marshall Maggie
Consultant	
Notes	[Scan performed: Within 4 hours]
Cessation Reason	Superficial Thrombophlebitis - 3 months anticoag

Conclusions

- Quality improvement
- Safety improvement
- Lean and accountable
- Dedicated vs general
- Benchmarking
- Commissioners, patients, secondary care

Finally....

- It makes sense
- Vision but without a team impossible
- Vision with a bad team a nightmare
- Vision and a great team inevitable

































