

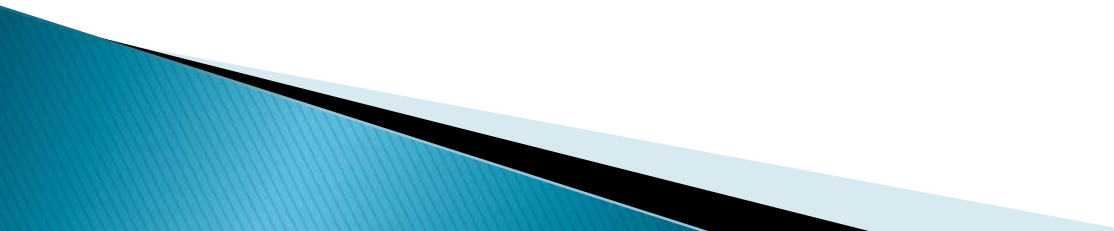
Reducing the Risk of VTE in Temporary Immobilisation of Lower Limb Injuries

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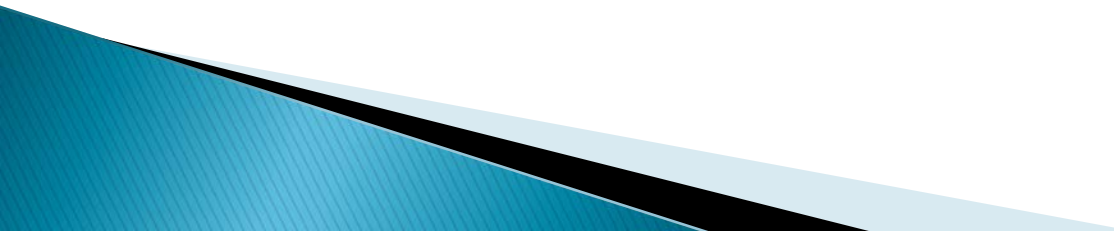


Southern Health
and Social Care Trust

The Problem?

- ▶ The relationship between temporary limb immobilisation and venous thromboembolism (VTE) has been documented since 1944.
 - ▶ This link persists despite modern medical care, with lower-limb immobilisation recently implicated as an aetiological factor in approximately 1.5 –3% of all VTE events.
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The Problem?

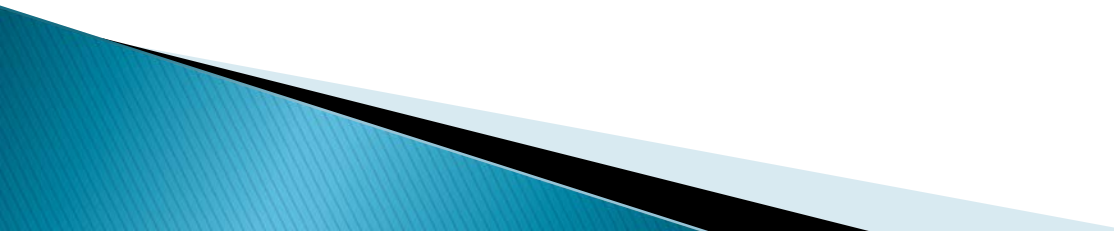
- ▶ The actual incidence of VTE in patients with temporary plaster immobilisation is estimated anywhere between 5 – 39%, depending on the type of patient and the type of immobilisation.
 - ▶ When compared to an annual VTE incidence of 0.12–0.18% in a normal undifferentiated population, these figures serve as a stark reminder of risk.
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The Solution?

- ▶ GEMNet produced guidelines in October 2012
 - Recommends prophylactic anti-coagulation for high risk adult (over 16) patients who require temporary immobilisation of a lower limb.
- ▶ These Guidelines were implemented within the Southern Trust on the 1st of July 2013

What is everyone else doing?

- ▶ All the Trusts within Northern Ireland have now implemented the GEMNet guidance for VTE Prophylaxis in Temporary Immobilisation of Lower Limbs.
 - ▶ Work was done between 2014 and 2016 with all the NI Trusts and the PHA to regionalise and standardise this implementation.
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Is it working?

- ▶ Incidence of confirmed DVT within the Southern Trust:

	2012	2013	2014	2015	2016
Total number of DVTs in the Southern Trust	229	237	252	221	222
Lower Limb Fracture related DVTs	15 (6.55%)	14 (5.91%)	12 (4.76%)	11 (4.98%)	9 (4.05%)

Is it working?

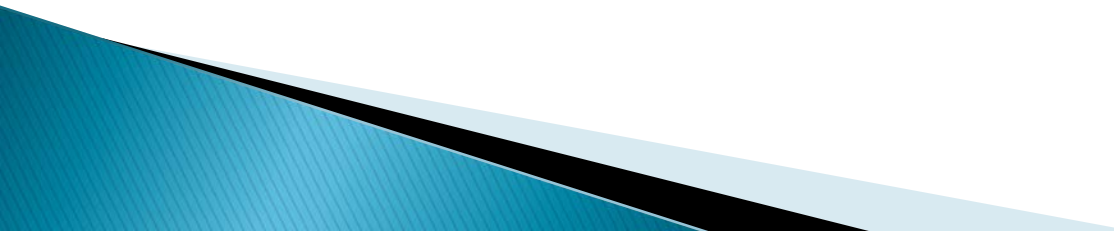
- ▶ Incidence of confirmed PE within the Southern Trust:

	2012	2013	2014	2015	2016
Total number of PEs in the Southern Trust	116	148	172	135	202
Lower Limb Fracture related PEs		4 (2.7%)	3 (1.74%)	3 (2.22%)	3 (1.49%)

Is it working?

- ▶ Numbers of people provided with prophylaxis
 - Craigavon Area Hospital ED: 267 patients in 2016
- ▶ Complications:
 - Two cases reported:
 - Rash
 - Patient refusing to continue injections

The future?

- ▶ PHA to Regionalise
 - Standardised regional paperwork being trialled in SET currently
 - Hopefully roll out to all Trusts in NI this year
 - ▶ Continue to educate and encourage staff to risk assess for VTE
 - ▶ Audit?
 - Compliance with risk assessment
 - Actual VTE Risk Reduction
 - Complications
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Any Questions?

