

ISSUE 2. MAY 2018



## Summary

Welcome to the second edition of the South East Trauma Network Newsletter.

The South East of Scotland Trauma Network (SESTN) is now well established and a lot has been achieved since the commitment to proceed with the National Major Trauma system two years ago. The region has developed a phased plan for over the next three to five years to ensure that significant changes occur to allow us to meet the increased demand and prepare for the challenges involved in the implementation of the Major Trauma Centre at the Royal Infirmary of Edinburgh (RIE).

In this edition of the newsletter we look back at some of what we have achieved so far within the network, as well as look forward to upcoming events and challenges. We also aim to highlight some of the key pieces of work and developments going on throughout the region in order to share learning and keep all stakeholders fully informed.

### OUR VISION

To optimise care, to reduce length of stay; reduce disability and support patients and their carers.

### OUR MISSION

To deliver the Scottish Government Commitment to deliver a bespoke trauma network for Scotland.

### STRATEGIC AIM

All patients will receive the highest possible quality of care that resources allow no matter where they live.

## What is a hospital Major Trauma Service?



A hospital major trauma service has responsibility and governance for all major trauma care in hospital. The Major Trauma Centre will provide a dedicated major trauma service for patients of major trauma which consists of the following:-

- A dedicated Major Trauma Ward.
- A designated consultant available 24/7 who has responsibility for the hospital major trauma service and leads the multidisciplinary care team.
- Acute specialist trauma rehabilitation services
- Acute specialist services for elderly populations
- A named member of clinical staff who co-ordinates the patient care. This person should also act as a single point of contact.

## Workforce and Education

### Recruitment Update

Work has been undertaken throughout the South East Region in order to begin recruitment and staff training to prepare for the opening of the Major Trauma Centre at the Royal Infirmary of Edinburgh. Services across the region are already in place to support the delivery of patient care for those who are severely injured however maintaining and sustaining services will be vital in order to ensure continued improvements in patient care. A clinical workforce will be established to support the co-location of Major Trauma patients developing strong links between Multidisciplinary teams who input into Major Trauma patient management. This would include Major Trauma and Rehabilitation teams.



### New Appointments:

#### Paediatric Clinical Leads for the South East Trauma Network

Dr Lindsay Reid and Dr Jon McCormack have been appointed Paediatric Clinical Leads for the South East Trauma Network.

Lindsay has been responsible for developing and delivering a Consultant led multi-specialty trauma team in the Royal Hospital for Sick Children. Over the last two years Lindsay has been a representative on the SESTN group and has also played a key role in setting the minimum requirements for Paediatric Major Trauma Centres, TU's and LEH's. Lindsay has built strong relationships within RHSC working with senior clinical staff and management teams to understand resource proposals and the implication of change.

Jon has extensive experience in providing advanced clinical interventions for critically injured children including delivering anesthesia for resuscitation, surgery and contributing to the initial treatment phases in paediatric critical care. Jon has also been involved in delivering a significant amount of education to paramedics within the Scottish Ambulance Service Trauma and Retrieval Services focusing on paediatric trauma.

### Launch of The New Medic One Vehicle

The launch of the new Medic one vehicle took place at the Royal Infirmary of Edinburgh on 8<sup>th</sup> January 2018. The new Medic One vehicle was very generously donated to the Medic One charity by a small number of Edinburgh business people. The launch of the vehicle hails the start of an exciting new phase for the network as well as for patients in Edinburgh and the Lothians requiring advanced pre-hospital care.



### Creation of Short Films on Paediatric Trauma Skills

The Royal Hospital for Sick Children in Edinburgh has filmed four short educational videos on Paediatric trauma skills. The videos include information on Kendrick splint application; pelvic splint application; performing the primary survey; preparing the fluid warmer for Code Red patient and preparing drugs for emergency anaesthesia. These videos will be part of a range of future videos which will be used as part of the education programme for other paediatric trauma skills.

## Goal Focused Rehabilitation

A key area of focus over the coming months will be the regional rehabilitation network. Improving trauma rehabilitation is vital and will benefit patients by returning them to independent living and employment far sooner and more effectively. It will also reduce the estimated £300 - £400 million lost in economic output per year for Scotland as a result of trauma.

This work is being progressed by the Clinical Lead for Acute Trauma Rehabilitation and the Regional Rehab Lead. The leads are in the process of mapping our existing pathways with MSK team leads from the Royal Infirmary of Edinburgh and Western General Hospital sites. The pathway will be looked at from an acute into community approach, highlighting the gaps from the point of discharge from a Major Trauma Centre and then into a Trauma Unit, community services or rehab setting.

The following three areas are to be focused on as a means to improve the current pathway:

- Workforce redesign and pathway modeling will allow the RIE to shorten the length of patient stay through implementation of early and intense rehabilitation models.
- The development of Elective Centres as part of the Hospital Plan will help reduce timescales for patients to theatre.
- The creation of close links between other health boards in the network will facilitate timely repatriation back to local care providers.



## Major Incident Planning Event – Aim to Improve Resilience

Exercise Duncan was a live play mass casualty exercise held at RIE on 20 April 2018. It involved exercising the first three hours of the hospital's responses to a mass trauma incident that generated twelve priority 1 and twelve priority 2 casualties, and followed their care through the Emergency Department, surgical triage and resus, imaging and pre-operative care to theatre.

Twelve of the casualties were played by actors and 12 were 'paper' casualties; many were so unwell as to need immediate damage limitation surgery and ICU admission. The exercise used the locations, beds and equipment that would have been needed by the corresponding real casualties to confirm that these could have been made available and to examine practical issues in their use. The exercise also involved other hospital staff and organisations such as SAS, blood transfusion and facilities staff.

The exercise demonstrated very effective responses in many areas but was also an invaluable learning exercise which highlighted numerous lessons about how responses can be made more robust for future.

# SESTN

## One year achievements



A snapshot of some of the region's achievements over the past year...

The South East of Scotland Trauma Group is well established and representation has been obtained from clinicians and managers from NHS Borders, Lothian, Fife, Forth Valley and the SAS. The network is also moving towards having further involvement and interaction with other boards including Dumfries and Galloway.

There is a Communication and Engagement Plan in place which sets out priorities as about when national and regional resource opportunities become available and maintains communication links through all groups within the network.

The Scottish Government has invested an extra £5 million in 2017/18 to assist with the implementation of the network.

The first STN network event was held jointly with STAG in January 2018 at Murrayfield Stadium, Edinburgh and received a good attendance and positive feedback.

A further £10.2 million has been approved by the Scottish Government for funding in 2018/19.

The region has developed a phased plan for the next 3-5 years which highlights the workforce challenges and the changes required in order to meet the increased demand of the Major Trauma Centre.

eSTAG, a bespoke electronic data collection system was launched in November 2017 which allows STAG to monitor the full patient journey. STAG data has been integral in supporting the planning and establishment of the network and continues to do so.

The Trauma Triage Tool (Adults & Paediatrics) has been developed for use by ambulance crews to support decision-making on where a patient should go depending on the severity of their injury.

A Major Trauma Implementation Group has been established for over two years and has representation from all clinical specialties identified to establish and support MTC. The group is chaired by Michael Pearson, General Manager for Surgery RIE, and Dr Dean Kerslake is the MTC Clinical Lead.

The South East region has appointed lead clinicians, and work is underway to recruit to other key posts for trauma services to help drive some of the changes.

Finalised regional, national implementation and phased financial plans, and agreed network configuration of MTC and Trauma units

- We have appointed an interim Regional Clinical Lead who provides clinical leadership for the region.
- We have appointed a Regional Rehab Lead who will provide strategic leadership in the development of rehabilitation for Adults and Children within the South East Scotland region. To scope and establish a Major Trauma rehabilitation service.

Creation of further working groups have been established for Education and Workforce, Major Incident Planning, Prevention and Rehabilitation Services.

SAS have implemented a Trauma Desk and are piloting the use of advanced paramedics based in MTCs. This pilot will be rolled out across the four regional MTCs in the next three years.



## Achievements for the last Three months

### MARCH 2018

- A network communication and engagement plan with input into the national governance vision was established.
- Formal communication links with IJB Partners and regional strategic planners regarding community rehabilitation continued to be established.
- **RHSC** implemented a Trauma Team activation protocol and consultant alert for Paediatric Major Trauma in order to identify paediatric trauma with any criteria on the paediatric triage tool.
- **RHSC** established a consultant-led trauma team incorporating a tiered level response to injured children.
- **MTC at RIE** and **SAS** worked to develop a standardised pre-alert handover so appropriate preparations to receive trauma patients can take place in a timely fashion amongst all specialties in the hospital.
- **RHSC** held a multi professional Trauma CPD afternoon with around 50 colleagues present from various departments within the hospital.
- **RHSC** established consultant-led trauma team and multi-specialty governance team.
- The **MTC at RIE** ran multidisciplinary team training days including simulation and skills stations. These are to continue throughout 2018.
- **RHSC** developed trauma booklets to ensure that all documentation is consistent and incorporates STAG data

### APRIL 2018

- Paediatric Clinical Leads were appointed who are to work with the Scottish Trauma Network Paediatric Working group to develop the Paediatric Trauma Triage Tool.
- **MTC at RIE** – Major Incident Exercise

### MAY 2018

- STAG coordinators for Trauma Units and MTC in Lothian, Borders and Fife were appointed.
- A quarterly network newsletter was established.
- **MTC at RIE** - Emergency Medicine consultant phased implementation plan was reviewed.
- Clinical Lead for Trauma Unit in Victoria Hospital, Kirkcaldy has been appointed.



## Key Highlights for the next Three months

### June

- SETN are to host a rehabilitation conference with Col Jon Etherington on 4 June. (See events section for more info)
- Local trauma network groups in Borders and Fife are to be established joining the existing Forth Valley local trauma network group.
- Recruitment process for on-site radiographers, Major Trauma Advanced Nurse Practitioners and Major Trauma Nurse Educator at MTC to begin.
- A workshop will be held on 29 June to review clinical documentation including implementation of policies that will improve standardisation of care for patients.

### July

- A phased plan of a designated MTC ward at the RIE is to be implemented.
- Minimum requirements for rehabilitation are to be agreed.
- A South East Regional Clinical Governance group is to be established.
- A Paediatric Rehab Working Group is to be established.
- An MTC operational policy is to be developed.

### August

- A repatriation model from MTC to TU's and community based services is to be developed and agreed.
- Mapping of the existing rehab pathways for MSK and DCN patients is to be completed.
- The Paediatric Trauma Triage tool has been signed off and will be tested in Lanarkshire at the end of summer.
- SAS are to recruit six advanced paramedics who will be based and trained in NHSL.



# Upcoming Events

## South East Region Major Trauma Rehabilitation Conference

4 June, 11am – 5pm, Apex Hotel Waterloo Place Edinburgh

As part of the South East Major Trauma Network, Alan Carson, *MTC Clinical Rehab Lead* is hosting a half day meeting with Colonel John Etherington who is Director of Defence Rehabilitation and a Consultant in Rheumatology and Rehabilitation at the Defence Medical Rehabilitation Centre. Colonel John Etherington has also recently been appointed the National Clinical Director for Rehabilitation and Recovering in the Community for NHS England.

The armed forces have a track record of delivering excellent patient outcomes due to their strong emphasis on orthopaedics and cardiovascular fitness in rehabilitation. The conference should therefore give attendees and the network an opportunity to look at the effect of early intervention and identify practices which can be applied and implemented into an inclusive model which would be suitable for all patients regardless of their age and fitness level.

For further information please contact:  
[wendy.parkinson@nhslothian.scot.nhs.uk](mailto:wendy.parkinson@nhslothian.scot.nhs.uk)

## Acute Major Trauma Team Training Course

29 May and 25 September, Forth Valley Royal Hospital

Scottish Centre for Simulation and Clinical Human Factors will be running two Scottish Acute Trauma Team training courses on 29 May and 25 September, led by Dr Roger Alcock.

Places can be secured at  
<https://scschf.org/product/scottish-acute-major-trauma-team-training/>



## Save the Date! STN Annual Event

26 & 27 June 2019, Edinburgh International Conference Centre

The Scottish Trauma Network has announced dates for next year's annual event which will be hosted in Edinburgh's International Conference Centre.

Further information is to follow over the next few months.

To further information please check  
[www.traumacare.scot](http://www.traumacare.scot)



## The Manchester Bombing – A Network Approach to the Acute Management of Multiple Civilian Casualties

5 July, 6pm – 8.30pm, Royal College of Surgeons Edinburgh, £15

A lecture which aims to outline the experience of frontline clinicians in a unique event and the preparation involved with mass casualty events. Speakers to include Naomi Davis, Orthopaedic Surgeon, Manchester University Foundation Trust; Alistair Rennie, Emergency Department, Manchester University Foundation Trust and Martin Smith, Emergency Department, Salford Royal Foundation Trust.

To book your place please visit  
[rcsed.ac.uk](http://rcsed.ac.uk)

## Members Personal Profile



### Mr Colin Briggs, Chair of the South-East Trauma Network

#### Director of Strategic Planning, NHS Lothian

Colin is the chair of the South-East Trauma Network, and has been heavily involved in the planning and development of the national network since 2015.

Colin is the Director of Strategic Planning for NHS Lothian and his portfolio includes strategy development, performance management, and implementation, NHSL's capital plan, a wide array of troubleshooting projects, and working with Lothian's 4 IJBs on the development of their strategic plans and performance management approach. Colin leads on a range of national and regional programmes and projects. He's also currently leading for the Edinburgh IJB in the development of its strategic plans on the implementation of these, as well as a range of operational issues including rehabilitation and primary care. He trained as a NHS general management trainee in the West Midlands and over the course of his career has worked in 3 NHS Trusts, 5 NHS Boards, and in both central and local government, with particular experience in change programmes and highly specialised services.

Colin is married with two small children and when he gets an hour to himself usually spends it on a bike.

We hope you have found this newsletter informative. If you work in major trauma services and would like to highlight your work to colleagues and the public, please email [wendy.parkinson@nhslothian.scot.nhs.uk](mailto:wendy.parkinson@nhslothian.scot.nhs.uk) or call 0131 465 5498.



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