Guidelines and Guidance

**RCEM Ebola Guidance revised December 2014**
The College of Emergency Medicine, in collaboration with Public Health England, has prepared this brief guidance to assist all staff working in Emergency Departments in the UK and Ireland. The guidance collates current national and international advice, but it is not comprehensive in scope. Rather it is intended to provide a useful overview and practical support to the specific issues of dealing with potential Ebola cases.

**Cervical spine collar clearance in the obtunded adult blunt trauma patient: A systematic review and practice management guideline from the Eastern Association for the Surgery of Trauma [US Guideline]**
Patel, Mayur B.; Humble, Stephen S.; Cullinane, Daniel C.; Day, Matthew A.; Jawa, Randeep S.; Devin, Clinton J.; Delozier, Margaret S.; Smith, Lou M.; Smith, Miya A.; Capella, Jeannette M.; Long, Andrea M.; Cheng, Joseph S.; Leath, Taylor C.; Falck-Ytter, Yngve; Haut, Elliott R.; Como, John J.
*Journal of Trauma and Acute Care Surgery: February 2015 - Volume 78 - Issue 2 - p 430–441*

**AAOS Clinical Practice Guideline Summary [US Guideline]**
Management of Hip Fractures in the Elderly
Karl C. Roberts, W. Timothy Brox, David S. Jevsevar, and Kaitlyn Sevarino
*J Am Acad Orthop Surg 2015; 23:131-137*
[http://www.jaas.org/content/23/2/131.abstract](http://www.jaas.org/content/23/2/131.abstract)

**Journal articles**

**Analgesia and Anaesthesia**

No gender-related bias in acute musculoskeletal pain management in the emergency department
Ofir Uri, Shlomo Elias, Eyal Behrbalk, Pinchas Halpern

**A Prospective Study of Pain Reduction and Knee Dysfunction Comparing Femoral Skeletal Traction and Splinting in Adult Trauma Patients**
Bumpass, David B.; Ricci, William M.; McAndrew, Christopher M.; Gardner, Michael J.
*Journal of Orthopaedic Trauma: February 2015 - Volume 29 - Issue 2 - p 112–118*
Management of traumatic haemorrhage--the European perspective.

Bleeding/Coagulation

Tranexamic Acid Use in Severely Injured Civilian Patients and the Effects on Outcomes: A Prospective Cohort Study
Cole, Elaine; Davenport, Ross; Willett, Keith

Prothrombin complex concentrate in trauma patients
Kazuhide Matsushima, Elizabeth Benjamin, Demetrios Demetriades

Efficacy of a prehospital self-expanding polyurethane foam for noncompressible hemorrhage under extreme operational conditions
Rago, Adam P.; Larentzakis, Andreas; Marini, John; Picard, Abby; Duggan, Michael J.; Busold, Rany; Helmick, Marc; Zugates, Greg; Beagle, John; Sharma, Upma; King, David R.
Journal of Trauma and Acute Care Surgery: February 2015 - Volume 78 - Issue 2 - p 324–329 Free Access

Management of traumatic haemorrhage--the European perspective.

Transfusion of plasma, platelets, and red blood cells in a 1:1:1 vs a 1:1:2 ratio and mortality in patients with severe trauma: the PROPPR randomized clinical trial.

Injuries

Routine urinalysis in patients with a blunt abdominal trauma mechanism is not valuable to detect urogenital injury
Dominique C Olthof, Pieter Joosse, Cornelis H van der Vlies, Theo M de Reijke, J Carel Goslings

Elderly Trauma

AAOS Clinical Practice Guideline Summary
Management of Hip Fractures in the Elderly
Karl C. Roberts, W. Timothy Brox, David S. Jevsevar, and Kaitlyn Sevarino
http://www.jaaos.org/content/23/2/131.abstract

Systolic blood pressure criteria in the National Trauma Triage Protocol for geriatric trauma: 110 is the new 90
Brown, Joshua B.; Gestring, Mark L.; Forsythe, Raquel M.; Stassen, Nicole A.; Billiar, Timothy R.; Peitzman, Andrew B.; Sperry, Jason L.
Journal of Trauma and Acute Care Surgery: February 2015 - Volume 78 - Issue 2 - p 352–359
Analysis of risk factors for death after blunt traumatic rupture of the thoracic aorta
Daniel Franzen, Michele Genoni

Intracranial Bleeds after Minor and Minimal Head Injury in Patients on Warfarin
Khaled N. Alrajhi, Jeffrey J. Perry, Alan J. Forster
Journal of Emergency Medicine, February 2015, 48(2), p137–142

Evaluation of a Liquid Dressing for Minor Nonbleeding Abrasions and Class I and II Skin Tears in the Emergency Department
Adam John Singer, Stuart Chale, Maria Taylor, Anna Domingo, Saad Ghazipura, Adam Khorasonchi, Abigail Bienenfeld

External Fixation of Tibial Fractures
Nirmal Tejwani, David Polonet, and Philip R. Wolinsky
http://www.jaaos.org/content/23/2/126.abstract

Proximal Humeral Fractures Treated Conservatively Settle During Fracture Healing
Foruria, Antonio M.; Martí, Milagros; Sanchez-Sotelo, Joaquin

Minimally Displaced Radial Head/Neck Fractures (Mason Type-I, OTA Types 21A2.2 and 21B2.1): Are We “Over Treating” Our Patients?
Shulman, Brandon S.; Lee, James H.; Liporace, Frank A.; Egol, Kenneth A.

Complications After Distal Radius Fracture Surgery: Results From a Swedish Nationwide Registry Study
Navarro, Cecilia Mellstrand; Pettersson, Hans J.; Enocson, Anders
Journal of Orthopaedic Trauma: February 2015 - Volume 29 - Issue 2 - p e36–e42

Functional Outcomes After Tibial Shaft Fractures Treated Using the Taylor Spatial Frame
Henderson, Daniel J.; Barron, Elizabeth; Hadland, Yvonne; Sharma, Hemant K.
Journal of Orthopaedic Trauma: February 2015 - Volume 29 - Issue 2 - p e54–e59

Musculoskeletal Function Assessment Outcomes Scores Over Time for Tibial Plafond (OTA/AO 43) and Proximal Humeral (OTA/AO 11) Fractures: A Pilot Project
Lundy, Douglas W.; Agel, Julie; Marsh, J. Lawrence; Sietsema, Debra L.; Jones, Clifford B.; Evans, Andrew R.; Kellam, James F.
Journal of Orthopaedic Trauma: February 2015 - Volume 29 - Issue 2 - p e60–e64

Local Bismuth Thiols Potentiate Antibiotics and Reduce Infection in a Contaminated Open Fracture Model
Penn-Barwell, Jowan G.; Baker, Brett; Wenke, Joseph C.
Journal of Orthopaedic Trauma: February 2015 - Volume 29 - Issue 2 - p e73–e78

The impact of preexisting comorbidities on failure to rescue outcomes in nonelderly trauma patients
Bell, Teresa M.; Zarzaur, Ben L.
Journal of Trauma and Acute Care Surgery: February 2015 - Volume 78 - Issue 2 - p 312–317

Contemporary management and outcomes of blunt thoracic aortic injury: A multicenter retrospective study
Designing a Disaster
Fletcher, Linnea MSN; Justice, Stephanie MSN; Rohrig, Lisa BSN
Journal of Trauma Nursing: January/February 2015 - Volume 22 - Issue 1 - p 35–40

Complete Tracheal Transection Following Blunt Trauma in a Pediatric Patient
Holmes, Jessica E. MSN, RN, CPN, CPEN; Hanson, Carol A. MSN, RN, CCRN
Journal of Trauma Nursing: January/February 2015 - Volume 22 - Issue 1 - p 41–43

Paediatric Trauma

Evaluation and Management of Pediatric Proximal Humerus Fractures
Charles A. Popkin, William N. Levine, and Christopher S. Ahmad
J Am Acad Orthop Surg 2015; 23:77-86
http://www.jaaos.org/content/23/2/77.abstract

Comparison of SIGN Pediatric and Fin Nails in Pediatric Diaphyseal Femur Fractures: Early Clinical Results
Shahabuddin; Shahab, Faseeh; Zirkle, Lewis G.
Journal of Orthopaedic Trauma: February 2015 - Volume 29 - Issue 2 - p e46–e50

A Comparison of Paper Documentation to Electronic Documentation for Trauma Resuscitations at a Level I Pediatric Trauma Center
Carla Coffey, Lee Ann Wurster, Jonathan Groner, Jeffrey Hoffman, Valerie Hendren, Kathy Nuss, Kathy Haley, Julie Gerberick, Beth Malehorn, Julia Covert

Pre-Hospital Care

The Importance of Victim Chest Exposure During Cardiopulmonary Resuscitation: A Simulation Study
Choong Hyun Jo, Gyu Chong Cho, Jung Hwan Ahn, Ji Yeong Ryu

Efficacy of a prehospital self-expanding polyurethane foam for noncompressible hemorrhage under extreme operational conditions
Rago, Adam P.; Larentzakis, Andreas; Marini, John; Picard, Abby; Duggan, Michael J.; Busold, Rany; Helmick, Marc; Zugates, Greg; Beagle, John; Sharma, Upma; King, David R.
Journal of Trauma and Acute Care Surgery: February 2015 - Volume 78 - Issue 2 - p 324–329

Radiology in Trauma

Radiation Exposure as a Consequence of Spinal Immobilization and Extrication
Andrew C. Stevens, Terry R. Trammell, Geoff L. Billows, Lauren M. Ladd, Michael L. Olinger
Journal of Emergency Medicine, February 2015, 48(2), p172–177

Resuscitation

The effects of balanced blood component resuscitation and crystalloid administration in pediatric trauma patients requiring transfusion in Afghanistan and Iraq 2002 to 2012
Edwards, Mary J.; Lustik, Michael B.; Clark, Margaret E.; Creamer, Kevin M.; Tuggle, David
Journal of Trauma and Acute Care Surgery: February 2015 - Volume 78 - Issue 2 - p 330–335

Damage-control resuscitation increases successful nonoperative management rates and survival after severe blunt liver injury
Understanding traumatic shock: Out-of-hospital hypotension with and without other physiologic compromise
Newgard, Craig D.; Meier, Eric N.; McKnight, Barbara; Drennan, Ian R.; Richardson, Derek; Brasel, Karen; Schreiber, Martin; Kerby, Jeffrey D.; Kannas, Delores; Austin, Michael; Bulger, Eileen M.; the ROC Investigators
Journal of Trauma and Acute Care Surgery: February 2015 - Volume 78 - Issue 2 - p 336–341

Does chest tube location matter? An analysis of chest tube position and the need for secondary interventions
Benns, Matthew V.; Egger, Michael E.; Harbrecht, Brian G.; Franklin, Glen A.; Smith, Jason W.; Miller, Keith R.; Nash, Nicholas A.; Richardson, J. David
Journal of Trauma and Acute Care Surgery: February 2015 - Volume 78 - Issue 2 - p 386–390

Natural history of a postpull pneumothorax or effusion: Observation is safe
Kugler, Nathan W.; Milia, David J.; Carver, Thomas W.; O’Connell, Kathleen; Paul, Jasmeet
Journal of Trauma and Acute Care Surgery: February 2015 - Volume 78 - Issue 2 - p 391–395

Damage control resuscitation using blood component therapy in standard doses has a limited effect on coagulopathy during trauma hemorrhage
Sirat Khan, Ross Davenport, Imran Raza, Simon Glasgow, Henry D. De’Ath, Pär I. Johansson, Nicola Curry, Simon Stanworth, Christine Gaarder, Karim Brohi
Intensive Care Medicine, February 2015, Volume 41, Issue 2, pp 239-247
http://link.springer.com/article/10.1007/s00134-014-3584-1?wt_mc=alerts.TOCjournals

Surgical Technique

Strategies for Surgical Approaches in Open Reduction Internal Fixation of Pilon Fractures
Assal, Mathieu MD; Ray, Adrien MD; Stern, Richard MD

Fix It or Discard It? A Retrospective Analysis of Functional Outcomes After Surgically Treated Patella Fractures Comparing ORIF With Partial Patellectomy
Bonnaig, Nicolas S. MD; Casstevens, Chris MD; Archdeacon, Michael T. MD, MSE; Connelly, Camille MD; Monaco, Nathan MD; Wyrick, John D. MD; Le, Theodore T. MD
Journal of Orthopaedic Trauma: February 2015 - Volume 29 - Issue 2 - p 80–84

Complications of High-Energy Bicondylar Tibial Plateau Fractures Treated With Dual Plating Through 2 Incisions
Ruffolo, Michael R. MD; Gettys, Franklin K. MD; Montijo, Harvey E. MD; Seymour, Rachel B. PhD; Karunakar, Madhav A. MD

Incidence and Fracture Morphology of Posterolateral Fragments in Lateral and Bicondylar Tibial Plateau Fractures
Sohn, Hoon-Sang MD; Yoon, Yong-Cheol MD; Cho, Jae-Woo MD; Cho, Won-Tae MD; Oh, Chang-Wug MD; Oh, Jong-Keon MD, PhD

Effect of Distal Interlocking Screw Number and Position After Intramedullary Nailing of Distal Tibial Fractures: A Biomechanical Study Simulating Immediate Weight-Bearing
Lateral Transmalleolar Approach and Miniscrews Fixation for Displaced Posterolateral Fragments of Posterior Malleolus Fractures in Adults: A Consecutive Study
Kim, Min Bom; Lee, Young Ho; Kim, Jeong Hwan; Lee, Jung Eun; Baek, Goo Hyun

Gerdy's Tubercle: The Lighthouse to the Knee
Donegan, Derek J.; Seigerman, Daniel A.; Yoon, Richard S.; Liporace, Frank A.

Value of Washers in Internal Fixation of Femoral Neck Fractures With Cancellous Screws: A Biomechanical Evaluation
Zlowodzki, Michael P.; Wijdicks, Coen A.; Armitage, Bryan M.; Cole, Peter A.
Journal of Orthopaedic Trauma: February 2015 - Volume 29 - Issue 2 - p e69–e72

Trauma Unit Management

Crowding in emergency departments: guidance from CEM emphasises system-wide solutions [Editorial]
Adrian Boyle
[Extract]

Initial validation of the International Crowding Measure in Emergency Departments (ICMED) to measure emergency department crowding
Adrian Boyle, James Coleman, Yasmin Sultan, Vijayasankar Dhakshinamoorthy, Jacqueline O'Keeffe, Pramin Raut, Kathleen Beniuk
[Abstract][Full text][PDF][Request permissions]

Is the ATLS classification of hypovolaemic shock appreciated in daily trauma care? An online-survey among 383 ATLS course directors and instructors
Manuel Mutschler, Marzellus Hoffmann, Christoph Wölfli, Matthias Münzberg, Inger Schipper, Thomas Paffrath, Bertil Bouillon, Marc Maegele
[Abstract]

What is important to patients in wound management
Helen Keeton, Robert Crouch, Kate Lowe

[Abstract]

Freestanding Emergency Departments and the Trauma Patient
Erin L. Simon, Kantha Medepalli, Carolyn J. Williams, Andrew Yocum, Eric Abrams, Gregory Griffin, Kseniya Orlik

The Nature and Necessity of Operational Flexibility in the Emergency Department
Michael J. Ward, Yann B. Ferrand, Lauren F. Laker, Craig M. Froehle, Timothy J. Vogus, Robert S. Dittus, Sunil Kripalani, Jesse M. Pines
Annals of Emergency Medicine, February 2015, 65(2), p156–161

The American Association for the Surgery of Trauma PROspective Observational Vascular Injury Treatment (PROOVIT) registry: Multicenter data on modern vascular injury diagnosis, management, and outcomes
DuBose, Joseph J.; Savage, Stephanie A.; Fabian, Timothy C.; Menaker, Jay; Scalea, Thomas; Holcomb, John B.; Skarupa, David; Poulin, Nathaniael; Chourliaras, Konstantinos; Inaba, Kenji; Rasmussen, Todd E.; AAST PROOVIT Study Group
Journal of Trauma and Acute Care Surgery: February 2015 - Volume 78 - Issue 2 - p 215–223

The excess morbidity and mortality of emergency general surgery
Havens, Joaquim M. MD; Peetz, Allan B. MD; Do, Woo S.; Cooper, Zara MD, MSC; Kelly, Edward MD; Askari, Reza MD; Reznor, Gally MS; Salim, Ali MD
Journal of Trauma and Acute Care Surgery: February 2015 - Volume 78 - Issue 2 - p 306–311

Using the age-adjusted Charlson comorbidity index to predict outcomes in emergency general surgery
St-Louis, Etienne MD; Iqbal, Sameena MD; Feldman, Liane S. MD; Sudarshan, Monisha MD; Deckelbaum, Dan L. MD; Razek, Tarek S. MD; Khwaja, Kosar MD, MBA, MSc
Journal of Trauma and Acute Care Surgery: February 2015 - Volume 78 - Issue 2 - p 318–323

Conferences/Events

Royal College of Emergency Medicine
Annual Spring CPD Event 2015
Disclaimer

The information published in this bulletin is not intended to be exhaustive, and while Library staff make every effort to link only to reputable and reliable websites, the information contained in this bulletin has not been critically appraised by Library staff and it is therefore the responsibility of the reader to appraise this information for accuracy and relevance.