

ICM7051 Haemorrhage and the response to injury

View Online



1.

Mattox, Kenneth L., Moore, Ernest Eugene, Feliciano, David V.: Trauma. McGraw-Hill Medical, New York (2013).

2.

Harris, H.E., Raucchi, A.: Alarmin(g) news about danger: Workshop on Innate Danger Signals and HMGB1. EMBO reports. (2006). <https://doi.org/10.1038/sj.embor.7400759>.

3.

Bianchi, M.E.: DAMPs, PAMPs and alarmins: all we need to know about danger. Journal of Leukocyte Biology. 81, 1-5 (2007). <https://doi.org/10.1189/jlb.0306164>.

4.

Lenz, A., Franklin, G.A., Cheadle, W.G.: Systemic inflammation after trauma. <https://doi.org/10.1016/j.injury.2007.10.003>.

5.

Physiological Reviews, <https://www.physiology.org/doi/full/10.1152/physrev.00012.2005>.

6.

Acute Traumatic Coagulopathy,

<https://oae.ovid.com/article/00005373-200306000-00015/HTML>.

7.

Brohi, K., Cohen, M.J., Ganter, M.T., Matthay, M.A., Mackersie, R.C., Pittet, J.-F.: Acute Traumatic Coagulopathy: Initiated by Hypoperfusion, <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1877079/>.

8.

Cap, A.P., Pidcoke, H.F., Spinella, P., Strandenes, G., Borgman, M.A., Schreiber, M., Holcomb, J., Tien, H.C.-N., Beckett, A.N., Doughty, H., Woolley, T., Rappold, J., Ward, K., Reade, M., Prat, N., Ausset, S., Kheirabadi, B., Benov, A., Griffin, E.P., Corley, J.B., Simon, C.D., Fahie, R., Jenkins, D., Eastridge, B.J., Stockinger, Z.: Damage Control Resuscitation. <https://doi.org/10.1093/milmed/usy112>.

9.

Effects of tranexamic acid on death, vascular occlusive events, and blood transfusion in trauma patients with significant haemorrhage (CRASH-2): a randomised, placebo-controlled trial. [https://doi.org/10.1016/S0140-6736\(10\)60835-5](https://doi.org/10.1016/S0140-6736(10)60835-5).

10.

Damage Control Resuscitation: The New Face of Damage Control, <http://ovidsp.dc2.ovid.com/sp-4.02.1a/ovidweb.cgi?QS2=434f4e1a73d37e8c9c245f63f5b4d54d6ef4fe4678df1c7224bd9dc6c2134a0d6ac99c14a2b56c377692bb5c9c165a920221ebaeba2ba5d0b7f2f12634b749fd50270cd0d79385dd2846bc768b93ec0785e4473cc7d6c8555a5033dd7a0507aaa8469f68891a72e20688d24b8fedabf4222ca27d23bd84fa383a2bcd87b914cc8b28e02cdf701b0a6c06bf4b579b7a8b6b66577e61d03a7b83cab456d573af52d23755e4494ae8b190749c03b67bee15057dd05a738083f4dfbc24f25b16bac5ca1db1695451835980b965406b24899667e1a00ed0774ab9dddaa8c39b1381ddf17b981324040f2850ca0a83aa63938cf657fc7861e8a77ec56ea03d125a94ff78cbde78cef912fe0a84f95de4afc217db59e4c556f6c599a2dee306bdf3233670357680c55c09ad67f83cdf772843b51b35f6d5749ac3c94da58ece47d3446cf342f0f1e01032bf34d2d815857ff45a97f720be685711432ac0a93aeaf9c5253bff8f9a3b5f6150ae2341cdc251d46ca56598cbba5e36d5bcf10f215c80a05cfc636e7eceb1bce6a739b354ac8dfeaf517a59a19e91e8c8d8bf46508b866b6fdd94af834655055b13a0dbbe062cdb387f2c3792da6192b6455f5862abff5240b7a0a321ed593bd505703701e373dab0ea92025965200d3a8674a33c6bece754587c9e816f36d708aab40eeaa448cddbbec6594cdf8750bb8c2177bca37bdc3b27b2823521d909adf092987842027822ca9d32e2799b7cb285ffd0ec6bc8f4cab88e5bafb7f6cb43403f749631b90aa0d18baadd0bed4f4994d1b9f094438bf5b0334ef41ea9f6cd005b1ac155cfa4eb27ffa0d600f1d36bb86f6172f52af33e8ffb59e80168a9e2b5d9c159d4cfc9b7c7c22ed1580f51a9c8cb508002b0fcaee4cadb50f4ae08b7e98>

93c41b6cec265cac881165600b058f17c0165a1c5ac8db3eec4f164385cf302f69710981bbb7786f43ea00332733624713a68e8d71cfaa4c070b6f3b557932938e42e7ef497ea3df5ddaf155443d0d2609e0398996865608fe24811c853b390e96650caab5847fe54e2be6229bb7e6ee2d22bed068a5cc48cde16cbbae48b907f8ac783e90129.

11.

Damage Control: Collective Review,

[12.](http://sfx.library.qmul.ac.uk/qmsfx?ctx_ver=Z39.88-2004&ctx_enc=info:ofi/enc:UTF-8&ctx_tim=2013-06-04T11%3A09%3A16IST&url_ver=Z39.88-2004&url_ctx_fmt=info:ofi/fmt:kev:mtx:ctx&rft_id=info:sid/primo.exlibrisgroup.com:primo3-Article-medline&rft_val_fmt=info:ofi/fmt:kev:mtx:article&rft.genre=article&rft.atitle=Damage%20control:%20collective%20review.&rft.jtitle=The%20Journal%20of%20trauma&rft.bttitle=&rft.aulast=Shapiro&rft.auinit=&rft.auinit1=&rft.auinitm=&rft.ausuffix=&rft.au=Shapiro%2C%20M%20B&rft.aucorp=&rft.date=200011&rft.volume=49&rft.issue=5&rft.part=&rft.quarter=&rft.ssn=&rft.spage=969&rft.epage=&rft.pages=969-78&rft.artnum=&rft.issn=0022-5282&rft.eissn=&rft.isbn=&rft.sici=&rft.code_n=&rft_id=info:doi/&rft.object_id=&svc_val_fmt=info:ofi/fmt:kev:mtx:sch_svc&rft.eisbn=&rft_dat=%3Cmedline%3E11086798%3C/medline%3E&rft_id=info:oai/&svc.fulltext=yes.</p></div><div data-bbox=)

Moore, E.E., Moore, H.B., Gonzalez, E., Chapman, M.P., Hansen, K.C., Sauaia, A., Silliman, C.C., Banerjee, A.: Postinjury fibrinolysis shutdown. *Journal of Trauma and Acute Care Surgery*. 78, S65-S69 (2015). <https://doi.org/10.1097/TA.0000000000000634>.

13.

Crash-2 HTA Full Report March 2013,

http://www.journalslibrary.nihr.ac.uk/__data/assets/pdf_file/0005/64715/FullReport-hta17100.pdf.

14.

Holcomb, J.B., Tilley, B.C., Baraniuk, S., Fox, E.E., Wade, C.E., Podbielski, J.M., del Junco, D.J., Brasel, K.J., Bulger, E.M., Callcut, R.A., Cohen, M.J., Cotton, B.A., Fabian, T.C., Inaba, K., Kerby, J.D., Muskat, P., O'Keeffe, T., Rizoli, S., Robinson, B.R.H., Scalea, T.M., Schreiber, M.A., Stein, D.M., Weinberg, J.A., Callum, J.L., Hess, J.R., Matijevic, N., Miller, C.N., Pittet, J.-F., Hoyt, D.B., Pearson, G.D., Leroux, B., van Belle, G.: 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. *JAMA*. 313, (2015). <https://doi.org/10.1001/jama.2015.12>.

15.

Khan, M., Jehan, F., Bulger, E.M., O'Keeffe, T., Holcomb, J.B., Wade, C.E., Schreiber, M.A., Joseph, B.: Severely injured trauma patients with admission hyperfibrinolysis. *Journal of Trauma and Acute Care Surgery*. 85, 851–857 (2018).
<https://doi.org/10.1097/TA.0000000000002022>.

16.

Tranexamic Acid Administration is Associated With an Increased Risk of Post-Traumatic Venous Thromboembolism,
https://ovidsp.tx.ovid.com/sp-3.31.1b/ovidweb.cgi?WebLinkFrameset=1&S=HNGAFPCOMDDDDCPBNCEKHBMLHLFAA00&returnUrl=ovidweb.cgi%3fMain%2bSearch%2bPage%3d1%26S%3dHNGAFPCOMDDDDCPBNCEKHBMLHLFAA00&directlink=https%3a%2f%2fovidsp.tx.ovid.com%2fovftpdfs%2fFPDDNCMCHBPBMD00%2ffs046%2fovft%2flive%2fgv025%2f01586154%2f01586154-900000000-98548.pdf&filename=Tranexamic+Acid+Administration+is+Associated+With+an+Increased+Risk+of+Post-Traumatic+Venous+Thromboembolism.&navigation_links=NavLinks.S.sh.48.1&link_from=S.sh.48%7c1&pdf_key=FPDDNCMCHBPBMD00&pdf_index=/fs046/ovft/live/gv025/01586154/01586154-900000000-98548&D=ovft&link_set=S.sh.48|1|sl_10|resultSet|S.sh.48.51|0.

17.

Holcomb, J.B., Wade, C.E., Michalek, J.E., Chisholm, G.B., Zarzabal, L.A., Schreiber, M.A., Gonzalez, E.A., Pomper, G.J., Perkins, J.G., Spinella, P.C., Williams, K.L., Park, M.S.: Increased Plasma and Platelet to Red Blood Cell Ratios Improves Outcome in 466 Massively Transfused Civilian Trauma Patients. *Transactions of the ... Meeting of the American Surgical Association*. 126, 97–108 (2008).
<https://doi.org/10.1097/SLA.0b013e318185a9ad>.

18.

Sperry, J.L., Guyette, F.X., Brown, J.B., Yazer, M.H., Triulzi, D.J., Early-Young, B.J., Adams, P.W., Daley, B.J., Miller, R.S., Harbrecht, B.G., Claridge, J.A., Phelan, H.A., Witham, W.R., Putnam, A.T., Duane, T.M., Alarcon, L.H., Callaway, C.W., Zuckerbraun, B.S., Neal, M.D., Rosengart, M.R., Forsythe, R.M., Billiar, T.R., Yealy, D.M., Peitzman, A.B., Zenati, M.S.: Prehospital Plasma during Air Medical Transport in Trauma Patients at Risk for Hemorrhagic Shock. *New England Journal of Medicine*. 379, 315–326 (2018).
<https://doi.org/10.1056/NEJMoa1802345>.

19.

Cotton, B.A., Au, B.K., Nunez, T.C., Gunter, O.L., Robertson, A.M., Young, P.P.: Predefined Massive Transfusion Protocols are Associated With a Reduction in Organ Failure and Postinjury Complications. *The Journal of Trauma: Injury, Infection, and Critical Care*. 66, 41–49 (2009). <https://doi.org/10.1097/TA.0b013e31819313bb>.

20.

Cellular, metabolic and systemic consequences of aggressive fluid resuscitation strategies.

21.

Feinstein, A.J., Patel, M.B., Sanui, M., Cohn, S.M., Majetschak, M., Proctor, K.G.: Resuscitation with Pressors after Traumatic Brain Injury. *Journal of the American College of Surgeons*. 201, 536–545 (2005). <https://doi.org/10.1016/j.jamcollsurg.2005.05.031>.

22.

Management of bleeding following major trauma: an updated European guideline. 14, (2010).

23.

Hypotensive Resuscitation during Active Hemorrhage: Impact on In-Hospital Mortality.

24.

Geeraedts, L.M.G., Kaasjager, H.A.H., van Vugt, A.B., Frölke, J.P.M.: Exsanguination in trauma: A review of diagnostics and treatment options. *Injury*. 40, 11–20 (2009). <https://doi.org/10.1016/j.injury.2008.10.007>.

25.

The Role of Transesophageal Echocardiography in Optimizing Resuscitation in Acutely Injured Patients.

26.

Alam, H.B.: Advances in resuscitation strategies. *International Journal of Surgery*. 9, 5–12 (2011). <https://doi.org/10.1016/j.ijssu.2010.09.001>.

27.

Complications of central venous catheters: Internal jugular versus subclavian access-A systematic review.

28.

Defining the Limits of Resuscitative Emergency Department Thoracotomy: A Contemporary Western Trauma Association Perspective.

29.

Borgman, M.A., Spinella, P.C., Perkins, J.G., Grathwohl, K.W., Repine, T., Beekley, A.C., Sebesta, J., Jenkins, D., Wade, C.E., Holcomb, J.B.: The Ratio of Blood Products Transfused Affects Mortality in Patients Receiving Massive Transfusions at a Combat Support Hospital. *The Journal of Trauma: Injury, Infection, and Critical Care*. 63, 805–813 (2007). <https://doi.org/10.1097/TA.0b013e3181271ba3>.

30.

Riskin, D.J., Tsai, T.C., Riskin, L., Hernandez-Boussard, T., Purtill, M., Maggio, P.M., Spain, D.A., Brundage, S.I.: Massive Transfusion Protocols: The Role of Aggressive Resuscitation Versus Product Ratio in Mortality Reduction. *Journal of the American College of Surgeons*. 209, 198–205 (2009). <https://doi.org/10.1016/j.jamcollsurg.2009.04.016>.

31.

Da Luz, L.T., Nascimento, B., Shankarakutty, A.K., Rizoli, S., Adhikari, N.K.: Effect of thromboelastography (TEG®) and rotational thromboelastometry (ROTEM®) on diagnosis of coagulopathy, transfusion guidance and mortality in trauma: descriptive systematic review. *Critical Care*. 18, (2014). <https://doi.org/10.1186/s13054-014-0518-9>.

32.

Targeted Coagulation Management in Severe Trauma: The Controversies and the Evidence
- Library Discovery,

<http://qmul.summon.serialssolutions.com/search?utf8=%E2%9C%93&s.q=Effect+of+thromboelastography+%28TEG%C2%AE%29+and+rotational+thromboelastometry+%28ROTEM%C2%AE%29+on+diagnosis+of+coagulopathy%2C+transfusion+guidance+and+mortality+in+trauma%3A+descriptive+systematic#!/search/document?ho=t&l=en&q=Targeted%20Coagulation%20Management%20in%20Severe%20Trauma:%20The%20Controversies%20and%20the%20Evidence&id=FETCHMERGED-LOGICAL-c1378-d42ba5a2e072dce94f83bf3d2e6b70e2133eb3065e4bcf280560440d0a7007762>.

33.

Moore, H.B., Moore, E.E., Liras, I.N., Gonzalez, E., Harvin, J.A., Holcomb, J.B., Sauaia, A., Cotton, B.A.: Acute Fibrinolysis Shutdown after Injury Occurs Frequently and Increases Mortality: A Multicenter Evaluation of 2,540 Severely Injured Patients. *Journal of the American College of Surgeons*. 222, 347–355 (2016).
<https://doi.org/10.1016/j.jamcollsurg.2016.01.006>.

34.

Ovid: External Link,

http://ovidsp.tx.ovid.com/sp-3.22.1b/ovidweb.cgi?WebLinkFrameset=1&S=FFBDFPDEIFDDKMMNCHKNCIBOOKOAA00&returnUrl=ovidweb.cgi%3fMain%2bSearch%2bPage%3d1%26S%3dFFBDFPDEIFDDKMMNCHKNCIBOOKOAA00&directlink=http%3a%2f%2fovidsp.tx.ovid.com%2fovftpdfs%2fFPDDNCIBNCMNIF00%2ffs046%2fovft%2flive%2fgv023%2f01586154%2f01586154-900000000-99358.pdf&filename=Abnormalities+in+fibrinolysis+at+the+time+of+admission+are+associated+with+DVT%2c+mortality+and+disability+in+a+pediatric+trauma+population.&link_from=jb.search.45%7c1&pdf_key=FPDDNCIBNCMNIF00&pdf_index=/fs046/ovft/live/gv023/01586154/01586154-900000000-99358&D=ovft&link_set=jb.search.45|1|sl_10|search|jb.search.45.46|0.