

Publikationen

1. Originalarbeiten (93):

1. **Flohé S**, Friemert B. *Unfallchirurgie (Heidelb)*. 2025 Jan;128(1):4-10. "Are generalists still needed or can we afford to do without them?" : "Yes, but still only very rarely and they also quasi no longer exist"
2. Jaekel C, Nienaber U, Neubert A, Kamp O, Wienhöfer L, Nohl A, Maegele M, Duesing H, Erichsen CJ, Frenzel S, Lefering R, **Flohe S**, Bieler D; Outcome Study Group of the Committee on Emergency Medicine, Intensive Care, Trauma Management (Sektion NIS) of the German Trauma Society (DGU). *Health Qual Life Outcomes*. 2024 Jun 5;22(1):46. Implementation of health-related quality of life in the German TraumaRegister DGU® - first results of a pilot study
3. Goossen K, Bieler D, Weise A, Nothacker M, **Flohé S**, Pieper D. *Eur J Trauma Emerg Surg*. 2024 Oct;50(5):2463-2470. Application of the PANELVIEW instrument to evaluate the guideline development process of the German polytrauma guideline
4. Chesser TJ, Moran C, Willett K, Bouillon B, Sturm J, **Flohé S**, Ruchholtz S, Dijkink S, Schipper IB, Rubio-Suarez JC, Chana F, de Caso J, Guerado E. *OTA Int*. 2023 Sep 1;2(Suppl 1)Development of trauma systems in Europe-reports from England, Germany, the Netherlands, and Spain
5. Goossen K, Bieler D, Hess S, Becker M, Kalsen M, **Flohé S**, Pieper D. *J Clin Epidemiol*. 2022 Oct;150:1-11. doi: 10.1016/j.jclinepi.2022.06.003. An adapted 'Ottawa' method allowed assessing the need to update topic areas within clinical practice guidelines
6. Ritschel M, Kuske S, Gnass I, Andrich S, Moschinski K, Borgmann SO, Herrmann-Frank A, Metzendorf MI, Wittgens C, **Flohé S**, Sturm J, Windolf J, Icks A. *BMJ Open*. 2021 Dec 16;11(12):e050168. Assessment of patient-reported outcomes after polytrauma - instruments and methods: a systematic review
7. Schöffl V, Schöffl I, **Flohé S**, El-Sheikh Y, Lutter C. *Am J Sports Med*. 2022 Jan;50(1):229-237. Evaluation of a Diagnostic-Therapeutic Algorithm for Finger Epiphyseal Growth Plate Stress Injuries in Adolescent Climbers
8. **Flohé S**, Bieler D, Ruchholtz S. *Chirurg*. 2021 Oct;92(10):881-890. doi: 10.1007/s00104-021-01445-2. Measurability of the quality of care of the severely injured
9. Heindl B, Trentzsch H, **Flohé S**. *Unfallchirurg*. 2021 Nov;124(11):909-915. doi: 10.1007/s00113-020-00948-7. Emergency intervention rate in the emergency room depending on the alerting criteria : Prospective data analysis of a supraregional trauma center

10. Kamp O, Pfeifer R, Ritschel M, **Flohe S**, Bieler D. Polytrauma outcome: implementation of health-related quality of life assessment into the German Trauma Registry. *Eur J Trauma Emerg Surg*. 2019 Nov 19. doi: 10.1007/s00068-019-01270-7
11. Kleinertz H, Hepner-Schefczyk M, Ehnert S, Claus M, Halbgebauer R, Boller L, Huber-Lang M, Cinelli P, Kirschning C, **Flohé S**, Sander A, Waydhas C, Vonderhagen S, Jäger M, Dudda M, Watzl C, Flohé SB. Circulating growth/differentiation factor 15 is associated with human CD56^{bright} natural killer cell dysfunction and nosocomial infection in severe systemic inflammation. *EBioMedicine* 2019 May; 43:380-391
12. Gnass I, Ritschel M, Andrich S, Kuske S, Moschinski K, Herrmann-Frank A, Metzendorf MI, Flohé S, Sturm J, Windolf J, Icks A. Assessment of patient-reported outcomes after polytrauma: protocol for a systematic review. *BMJ open* 2018 Mar 16;8(3):e017571. doi: 10.1136/bmjopen-2017-017571
13. Franke A, Bieler D, Friemert B, Kollig E, **Flohe S**. Preclinical and intrahospital management of mass casualties and terrorist incidents. *Chirurg*. 2017 Oct;88(10):830-840
14. El-Sheikh Y, Lutter C, Schoeffl I, Schoeffl V, **Flohe S**. Surgical Management of Proximal Interphalangeal Joint Repetitive Stress Epiphyseal Fracture Nonunion in Elite Sport Climbers. *J Hand Surg Am*. 2017 Nov 14. pii: S0363-5023(17)30002-3
15. Schweigkofler U, **Flohé S**, Hoffmann R, Matthes G, Paffrath T, Wölfl C, Fischer M, Kehrberger E, Marung H, Moecke H, Prückner S, Urban B, Trentzsch H; Fachexperten der Eckpunktepapier-Konsensus-Gruppe. Tracer diagnosis severe injury/polytrauma in key issue paper 2016. *Unfallchirurg*. 2016 Nov;119(11):961-963
16. Schweigkofler U, Wohlrath B, Paffrath T, **Flohé S**, Wincheringer D, Hoffmann R, Trentzsch H. Recommendations for Releasing the Pelvic Binder After a Non-Invasive Pelvic Stabilisation Procedure Under Emergency Room Conditions. *Z Orthop Unfall*. 2016 Oct;154(5):470-476.
17. Wirsdörfer F, Bangen JM, Pastille E, Schmitz D, **Flohé S**, Schumak B, Flohé SB. Dendritic Cell-Like Cells Accumulate in Regenerating Murine Skeletal Muscle after Injury and Boost Adaptive Immune Responses Only upon a Microbial Challenge. *PLoS One*. 2016 May 19;11(5):e0155870
18. Matthes G, Trentzsch H, Wölfl CG, Paffrath T, **Flohe S**, Schweigkofler U, Ekkernkamp A, Schulz-Drost S; Sektion Notfallmedizin, Intensivmedizin und Schwerverletztenversorgung (NIS) der DGU. Essential measures for prehospital treatment of severely injured patients: The trauma care bundle. *Unfallchirurg*. 2015 Aug;118(8):652-6.
19. Scholz AO, Gehrmann S, Glombitza M, Kaufmann RA, Bostelmann R, **Flohe S**, Windolf J. Reconstruction of septic diaphyseal bone defects with the induced membrane technique. *Injury* 2015 Oct;46 Suppl 4:S121-4.
20. Hornstein T, Lehmann S, Philipp D, Detmer S, Hoffmann M, Peter C, Wesselborg S, Unfried K, Windolf J, **Flohé S**, Paunel-Görgülü A. Staurosporine resistance in

inflammatory neutrophils is associated with the inhibition of caspase- and proteasome-mediated Mcl-1 degradation. *J Leukoc Biol.* 2016 Jan;99(1):163-74

21. Weuster M, Mommsen P, Pfeifer R, Mohr J, Ruchholtz S, **Flohé S**, Fröhlich M, Keibl C, Seekamp A, van Griensven M, Witte I. Induced Hypothermia Does Not Harm Hemodynamics after Polytrauma: A Porcine Model. *Mediators Inflamm.* 2015:829195.
22. Matthes G, Trentzsch H, Wölfl CG, Paffrath T, **Flohe S**, Schweigkofler U, Ekkernkamp A, Schulz-Drost S; Sektion Notfallmedizin, Intensivmedizin und Schwerverletztenversorgung (NIS) der Deutschen Gesellschaft für Unfallchirurgie e. V. [Essential measures for prehospital treatment of severely injured patients: The trauma care bundle].*Unfallchirurg.* 2015 Aug;118(8):652-6.
23. Münzberg M, Mutschler M, Paffrath T, Trentzsch H, Wafaisade A, Walcher F, Raum M, **Flohé S**, Wölfl C. Level of Evidence Analysis for the Latest German National Guideline on Treatment of Patients with Severe and Multiple Injuries and ATLS. *World J Surg.* 2015 Aug;39(8):2061-7.
24. Reith G, Wyen H, Wafaisade A, Paffrath T, **Flohé S**, Bouillon B, Maegele M, Probst C. Current standard of care for initial management of open fractures in emergency departments : A nationwide survey in German trauma center. *Unfallchirurg.* 2015 Jan 28.
25. Windolf CD, Lögters T, Scholz M, Windolf J, **Flohé S**. Lysostaphin-coated titan-implants preventing localized osteitis by *Staphylococcus aureus* in a mouse model. *PLoS One.* 2014 Dec 23;9(12):e115940
26. Paffrath T, Lefering R, **Flohé S**; TraumaRegister DGU. How to define severely injured patients? - An Injury Severity Score (ISS) based approach alone is not sufficient. *Injury.* 2014 Oct;45 Suppl 3:S64-9.
27. Leenen M, Scholz A, Lefering R, **Flohé S**; TraumaRegister DGU. Limited volume resuscitation in hypotensive elderly multiple trauma is safe and prevents early clinical dilutive coagulopathy -- a matched-pair analysis from TraumaRegister DGU(®).*Injury.* 2014 Oct;45 Suppl 3:S59-63.
28. Wafaisade A, Wyen H, Mutschler M, Lendemans S, Bouillon B, **Flohe S**, Paffrath T, Maegele M, Tjardes T, Probst C; Sektion NIS der DGU. Current practice in coagulation and transfusion therapy in multiple trauma patients : A German nationwide online survey. *Unfallchirurg.* 2014 Jun 5
29. Fröhlich M, Hildebrand F, Weuster M, Mommsen P, Mohr J, Witte I, Raeven P, Ruchholtz S, **Flohé S**, van Griensven M, Pape HC, Pfeifer R. Induced hypothermia reduces the hepatic inflammatory response in a swine multiple trauma model. *J Trauma Acute Care Surg.* 2014 Jun;76(6):1425-32.
30. Windolf CD, Meng W, Lögters TT, Mackenzie CR, Windolf J, **Flohé S**. Implant-associated localized osteitis in murine femur fracture by biofilm forming

Staphylococcus aureus: A novel experimental model. J Orthop Res.2013
31(12):2013-20.

31. Mohr J, Ruchholtz S P, Hildebrand F, **Flohé S**, Frink M, Witte I, Fröhlich M, van Griensven M, Keibl C, Mommsen P. Induced hypothermia does not impair coagulation system in a swine multiple trauma model. J Trauma Acute Care Surg 2013;74:1014-20.
32. Sellman T, Miersch D, Kienbaum A, **Flohé S**, Schneppendahl J, Lefering R, DGU Traumaregister. The impact of arterial hypertension on polytrauma and traumatic brain injury. Deutsch. Ärzteblatt 2012;849-56
33. Burkhardt M, Nienaber U, Pizanis A, Maegele M, Culemann U, Bouillon B, **Flohé S**, Pohlemann T, Paffrath T, Dgu T. Acute management and outcome of multiple trauma patients with pelvic disruptions. Crit Care 2012 Aug 22;16(4):R163.
34. Meng W, Paunel-Görgülü A, **Flohé S**, Hoffmann A, Witte I, Mackenzie C, Baldus SE, Windolf J, Lögters TT. Depletion of neutrophil extracellular traps in vivo results in hypersusceptibility to polymicrobial sepsis in mice. Crit Care 2012 Jul 26;16(4):R137.
35. Hildebrand F, Weuster M Mommsen P; Mohr J; Fröhlich M; Witte I; Keibl C; Ruchholtz S; Seekamp A; Pape H-C; **Flohé S**; Griensven van M. A combined trauma model of chest and abdominal trauma with hemorrhagic shock- description of a new model. Shock 2012; 38: 664-70
36. Hildebrand F, **Flohé S**, Leenen L, van Griensven M, Frink M. Posttraumatic immune response and its modulation. Mediator Inflamm. 2012;731563. Epub 2012 Mar 27
37. Wafaisade A, Lefering R, Maegele M, Lendemans S, **Flohé S**, Hussmann B, Defosse JM, Probst C, Paffrath T, Bouillon B; Trauma Registry of DGU. Coagulation management of bleeding trauma patients is changing in German trauma centers: an analysis from the trauma registry of the German Society for Trauma Surgery. J Trauma Acute Care Surg 2012 Apr;72(4):936-42.
38. Meng W, Paunel-Görgülü A, **Flohé S**, Witte I, Schädel-Höpfner M, Windolf J, Lögters TT. Deoxyribonuclease is a potential counter regulator of aberrant neutrophil extracellular traps formation after major trauma. Mediator Inflamm 2012;149560. Epub 2012 Jan 23.
39. Paunel-Görgülü A, Kirichevska T, Lögters T, Windolf J, **Flohé S**. Molecular mechanisms underlying delayed apoptosis in neutrophils from multiple trauma patients with and without sepsis. Mol Med 2012 May 9;18(1):325-35.

40. Kühn MC, Willenberg HS, Schott M, Papewalis C, Stumpf U, **Flohé S**, Scherbaum WA, Schinner S. Adipocyte-secreted factors increase osteoblast proliferation and the OPG/RANKL ratio to influence osteoclast formation. *Mol Cell Endocrinol* 2012 Feb 26;349(2):180-8
41. Schneppendahl J, Lefering R, Kühne CA, Ruchholz S, Hakimi M, Witte I, Lögters T, Windolf J, **Flohé S**; TraumaRegister der DGU. Interhospital transfer of severely injured patients in Germany: Evaluation of the DGU trauma register. *Unfallchirurg*. 2012 Aug;115(8):717-24.
42. Paunel-Görgülü A, **Flohé S**, Scholz M, Windolf J, Lögters T. Increased serum soluble Fas after major trauma is associated with delayed neutrophil apoptosis and development of sepsis. *Crit Care*. (2011) 15(1):R20
43. Paunel-Görgülü A, Lögters T, **Flohé S**, Cinatl J, Altrichter J, Windolf J, Scholz M. Stimulation of FAS-Signaling down-regulates Activity from Neutrophils from patients after major trauma. *Immunobiology* (2011) 216(3):334-42.
44. Kobbe P, **Flohé S**, Wellmann M, Russe K. Stabilization of chronic proximal tibiofibular joint instability with a semitendinosus graft. *Acta Orthop Belg*. (2010) 76: 830-3.
45. Lögters T., Laryea MD., Jäger M., Schädel-Höpfner M., Windolf J., **Flohé S.**, Altrichter J., Scholz M., Paunel A. Kynurenine inhibits chondrocyte proliferation and is increased in synovial fluid of patients with septic arthritis. *J Orthop Res*. (2010) 28:1490-6
46. **Flohé S.**, Betsch M., Ruße K., Wild M., Schulz M. Comparison of two different matrix-based autologous chondrocyte transplantation systems – 1 year follow-up results *Eur J Trauma* (2011)
47. Lögters T, Lefering R, Schneppendahl J., Alldinger I, Witte I, Windolf J., **Flohé S.** TraumaRegister der DGU. Abbruch der Schockraumdiagnostik und Notfalloperation beim Polytrauma: Inzidenz und klinische Relevanz – Eine Auswertung des TraumaRegisters der DGU. *Unfallchirurg* (2010) 113:832-8.
48. **Flohé S**, Nast-Kolb D. Chirurgisches Management vital bedrohlicher Verletzungen. *Unfallchirurg* 112: 854-59 (2009).
49. Hakimi M, Jungbluth P, Betsch M, Linhart W, **Flohé S**, Windolf J, Wild M. PRP in Kombination mit autologer Spongiosa: Eine Alternative bei therapierefraktärer Pseudarthrose. *Unfallchirurg* 2010
50. **Flohé S**, Scholz M. HLA-DR monitoring on the ICU – more than a tool for the scientist in the lab? *Crit. Care Med* 37:2849-50 (2009).
51. Schmitz D, Bangen J, Herborn C, Husain B, Lendemans S, Flohé SB, Metz KA, Schade FU, Taeger G, Oberbeck JR, Kobbe P, Waydhas C, **Flohé S**. Isolated closed

minor-muscle injury of the lower leg did not cause an obvious systemic immune response. *Inflamm. Res* 59(2):141-9 (2009).

52. **Flohé S**, Nabring J, Lütkes P, Nast-Kolb D, Windolf J. Komplexe operative Prozeduren in der Orthopädie und Unfallchirurgie – Ein Beitrag zum Vorschlagsverfahren für das DRG-System 2009. *Unfallchirurg* 111: 856-58 (2009).
53. Lendemans S, Heuer, M, Nast-Kolb D, Kühne C, Damman M, **Flohé S**, Ruchholtz S, Taeger G. Significance of liver trauma for the incidence of sepsis, multiple organ failure and lethality of severely injured patients: An organ-specific evaluation of 24.771 patients from the trauma register of the DGU. *Unfallchirurg* 111: 232-239 (2008).
54. Flohé SB, Agrawal H, **Flohé S**, Rani M, Bangen J, Schade FU. Diversity of Interferon gamma and Granulocyte-Macrophage Colony-Stimulating Factor in Restoring Immune Dysfunction of Dendritic Cells and Macrophages during Polymicrobial Sepsis. *Mol Med*. 14: 247-52 (2008).
55. Lendemans S, Peszko A, Oberbeck R, Schmitz D, Husain B, Burkhard M, Schade FU, **Flohé S**. Microcirculatory alterations of hepatic and mesenteric microcirculation in Endotoxin Tolerance. *Shock* 29: 223-31 (2008).
56. Lendemans S, Kreuzfelder E, Rani M, Bayeeh E, Schade FU, Flohé SB, Waydhas C, **Flohé S**. Toll-like-receptor 2 and 4 expression after severe injury is not involved in the dysregulation of the innate immune system *J Trauma* 63: 740-46 (2007).
57. **Flohé S**, Buschmann C, Merguet P, Lefering R, Nabring J, Nast-Kolb D, Ruchholtz S. Polytraumadefinition im G-DRG-System – bis zu 30 % „Fehlgruppierung“. *Unfallchirurg* 110: 651-58 (2007).
58. Flohé SB, Bangen J, **Flohé S**, Agrawal H, Bergmann K, Schade FU. Origin of immunomodulation after soft tissue trauma: potential involvement of extracellular heat-shock proteins. *Shock*: 27: 494-502 (2007).
59. Lendemans S, Kreuzfelder E, Schade FU, Waydhas C, **Flohé S**. Differential immunostimulating effect of Granulocyte-macrophage colony-stimulating factor (GM-CSF), Granulocyte colony-stimulating factor (G-CSF) and Interferon γ (IFN γ) after severe trauma. *Inflamm Res* 56 38-44 (2007).
60. Börgermann J, **Flohé S**, Spillner J, Kuss O, Feldt T, Reidemeister J Ch, Schade FU, Friedrich I: Downregulation of cytokine synthesis in lipopolysaccharide-stimulated whole blood after cardiopulmonary bypass: Additive effects of the extracorporeal circuit and antiinflammatory mediators. *Inflamm Res* 56: 126-132 (2007).
61. Börgermann J, Friedrich I, Scheubel J, Kuss O, Lendemans S, Silber RE, Kreuzfelder E, **Flohé S**. Granulocyte-Macrophage Colony-Stimulating Factor (GM-CSF) restores decreased monocyte HLA-DR expression after cardiopulmonary bypass. *Thoracic Cardiovasc Surg* 55: 1-8 (2007).

62. Baiyee E, **Flohé S**, Lendemans S, Bauer S, Mueller N, Kreuzfelder E, Grosse-Wilde H. Expression and function of toll-like receptor 9 in severely injured patients prone to sepsis. Clin Exp Immunol 145: 456-62 (2006).
63. Rani M, Husain B, Lendemans S, Schade FU, **Flohé S**. Hemorrhagic shock in mice - intracellular signaling and immunomodulation of peritoneal macrophages' LPS response. Immunobiol 211: 711-19 (2006).
64. **Flohé S.**, Lendemans S., Schmitz D., Waydhas C. Intensive Care Medicine – Update 2005. Zentral. Chir. 131: 175-187 (2006).
65. Lendemans S, Selbach C, Hirsch T, Kreuzfelder E, Schade FU, **Flohé S**: GM-CSF priming of human Monocytes is dependent on ERK 1/2 activation. J Endotox Res 12: 10-20 (2006).
66. Flohé SB, Agrawal H, Schmitz D, Gertz M, **Flohé S**, Schade FU. Dendritic cells during polymicrobial sepsis rapidly mature but fail to initiate a protective Th1-type immune response. J Leukoc Biol. 79(3):473-81 (2006).
67. **Flohé S**, Lendemans S, Schmitz D, Waydhas C. Was gibt es Neues in der Intensivmedizin – eine Übersicht. Zentral. Chir. 130: 191-201 (2005).
68. Kühne C, Kaiser G, **Flohé S**, Beiderlinden M., Kuehl H, Stavrou G, Waydhas C, Lendemans S, Paffrath T, Nast-Kolb D. Nonoperativ Management of Tracheobronchial Injuries in Severely Injured Patients. Surg. Today 35: 518-523 (2005).
69. Lendemans S, Kreuzfelder E, Waydhas C, Nast-Kolb D, **Flohé S**: Korrelation, Verlauf und prognostische Bedeutung immunologischer Funktionsparameter nach schwerem Trauma. Unfallchirurg 107:203-10 (2004).
70. **Flohé S**, Lendemans S, Schade FU, Kreuzfelder E, Waydhas C. Influence of surgical intervention in the immune response of severely injured patients. Intens. Care Med. 30. 96- 102 (2004).
71. Husain B, Lendemans S, Ackermann M, Wendel A. Schade FU, **Flohé S**. GM-CSF counteracts hemorrhage-induced suppression of cytokine-producing capacity. Inflamm. Res. 53:13-21 (2004).
72. **Flohé S**, Lendemans S, Selbach C, Waydhas C, Ackermann M, Schade FU, Kreuzfelder E: Effect of GM-CSF on the immune response of circulating monocytes after severe trauma. Crit Care Med. 31 (10): 2462-2469 (2003).
73. Flohé S.B., Brüggemann J., Lendemans S., Nikulina M., Meierhoff G., **Flohé S**, Kolb H.: Human HSP 60 induces maturation of dendritic cells versus Th1 promoting phenotype. J Immunol 170: 2340-2348 (2003).
74. Dominguez Fernandez E, **Flohé S**, Siemers F, Nau M, Schade FU. Endotoxin tolerance in rats: influence on LPS-induced changes in excretory liver function. Inflamm Res 51(10): 500-505 (2002).

75. Börgermann J, Friedrich I, **Flohé S**, Spillner J, Majetschak M, Sablotzki A, Feldt T, Reidemeister JC, Schade FU. Tumor necrosis factor- α production of whole blood after cardiopulmonary bypass: Downregulation caused by circulating cytokine-inhibitory activities. *J Thorac Cardiovasc Surgery* 124(3): 608-617 (2002).
76. Domínguez Fernández E, Siemers F, **Flohé S**, Nau M, Schade F U. Effects of endotoxin tolerance on liver function after local hepatic ischemia/reperfusion injury in the rat. *Crit Care Med* 30(1): 165-170 (2002).
77. Kehe K, **Flohé S**, Krebs G, Kreppel H, Reichl FX, Liebl B, Scinicz L. Effects of Lewisite on cell membrane integrity and energy metabolism in human keratinocytes and SCL II cells. *Toxicology* 163: 137-144 (2001).
78. Ackermann M, Reuter M, **Flohé S**, Bahrami S, Redl H, Schade FU: Cytokine synthesis in the liver of endotoxin-tolerant and normal rats during hemorrhagic shock. *J Endotox Res* 7(2): 105-112 (2001).
79. **Flohé S**, Börgermann J, Lim L, Schade FU: Interferon- γ counteracts reduced endotoxin responsiveness of whole blood following trauma and cardiopulmonary bypass. *J Endotox Res* 6(6): 431-436 (2000).
80. Domínguez Fernández E, **Flohé S**, Siemers F, Nau M, Ackermann M, Ruwe M, Schade FU. Endotoxin tolerance protects against local hepatic ischemia/reperfusion injury in the rat. *J Endotox Res* 6(4): 321-328 (2000).
81. **Flohé S**, Ackermann A, Reuter M, Nast-Kolb D, Schade FU: Sublethal hemorrhagic shock reduces TNF α -producing capacity in different cell compartments. *Eur Cytokine Netw* 11(3) : 420-26 (2000).
82. **Flohé S**, Domínguez Fernández E, Ackermannn M., Hirsch T, Börgermann J, Schade FU: Endotoxin Tolerance in Rats: Expression of TNF α , IL-6, IL-10, VCAM-1 and *HSP* 70 in Lung and Liver during Endotoxin Shock. *Cytokine* 11: 796-804 (1999).
83. Majetschak M., **Flohé S**, Obertacke U, Schröder J, Staubach K, Nast-Kolb D, Schade FU, Stüber F: Relation of a TNF gene polymorphism to severe sepsis in trauma patients. *Ann Surg* 230: 207-214 (1999).
84. **Flohé S**, Börgermann J, Domínguez-Fernández E, Majetschak M, Lim L, Kreutzfelder E, Obertacke U, Nast-Kolb D, Schade FU: Influence of Granulocyte-Macrophage Colony-Stimulating Factor (GM-CSF) on Whole Blood Endotoxin Responsiveness Following Trauma, Cardiopulmonary Bypass and Severe Sepsis. *Shock* 12: 17-24 (1999).
85. Flach R, Majetschak M Heukamp T, Jennissen V, **Flohé S**, Börgermann J, Obertacke U, Schade FU: Relation of ex vivo stimulated blood cytokine synthesis to post-traumatic sepsis. *Cytokine* 11(2): 173-178 (1999).
86. Flach R, Speidel N, **Flohé S**, Börgermann J, Dresen IG, Erhard J, Schade FU: Analysis of intragraft cytokine expression during early reperfusion after liver transplantation using semi-quantitative RT-PCR. *Cytokine* 10(6): 445-451 (1998).

87. Flohé SB, Bauer C, **Flohé S**, Moll H. Antigen-pulsed epidermal Langerhans cells protect susceptible mice from infection with the intracellular parasite *Leishmania major*. Eur. J. Immunol. 28: 3800-3811 (1998).
88. **Flohé S**, Speidel N, Flach R, Lange R, Erhard J, Schade FU: Expression of HSP 70 as a potential prognostic marker for acute rejection in human liver transplantation. Transplant Int 11: 89-94 (1998).
89. Flach R, **Flohé S**, Laschinski M, Hofmann K, Kreutzfelder E, Schade FU: Interleukin-10 is downregulated in mononuclear cells of endotoxin tolerant humans. J Endotox Res 4(3): 189-195 (1997).
90. Haeser K, Kehe K, **Flohé S**, Hannemann M, Kraus M, Reichl FX, Kreppel H, Szinicz L: Decontamination of experimental 2-chlorovinylchlorarsine (lewisite) induced skin lesion. Exp. Toxicol Pathol 48 (Suppl II): 170-174 (1996).
91. **Flohé S**, Kehe K, Kraus M, Haeser K, Jones M, Singh P, Kreppel H, Szinicz L: On the pathomechanism and therapy of 2-chlorovinylchlorarsine (lewisite) intoxication. Exp Toxicol Pathol 48 (Suppl II): 132-137 (1996).
92. Klosterhalfen B, Horstmann Jungemann K, Vogel P, **Flohé S**, Offner F, Kirkpatrick CJ, and Heinrich PC. Time course of various inflammatory mediators during recurrent endotoxemia. Biochem.Pharmacol. 43(10):2103-2109, (1992).
93. **Flohé S**, Heinrich PC, Schneider J, Wendel A, and Flohé L. Time course of IL-6 and TNF α release during endotoxin-induced endotoxin tolerance in rats. Biochem.Pharmacol. 41(11):1607-1614, (1991).

2. Übersichtsarbeiten (15)

1. **Flohé S**, Matthes G, Maegele M, Huber-Wagner S, Nienaber U, Lefering R, Paffrath T. Future Perspective of the TraumaRegister DGU® : Further Development, Additional Modules and Potential Limits Unfallchirurg 121 (10), 774-780
2. Hildebrand F, Radermacher P, Ruchholtz S, Huber-Lang M, Seekamp A, **Flohé S**, van Griensven M, Andruszkow H, Pape HC. Relevance of induced and accidental hypothermia after trauma-haemorrhage-what do we know from experimental models in pigs? Intensive Care Med 2014 Dec;2(1):16. Epub 2014 May 15
3. Trentzsch H, Woelfl C, Matthes G, Paffrath T, Lefering R, **Flohé S**. New aspects in polytrauma management: Report of the second annual conference of the Committee on Emergency *Medicine*, Intensive Care and Trauma Management. Unfallchirurg Jul;116(7):664-8.

4. Wafaisade A, Paffrath T, **Flohé S**. New oral anticoagulants: Relevance for orthopedics and trauma surgery *Unfallchirurg* 2013;116:90-1.
5. Trentzsch H, Woelfl C, Matthes G, Paffrath T, Lefering R, **Flohé S**. New aspects in polytrauma management: Report of the first annual conference of the Committee on Emergency Medicine, Intensive Care and Trauma Management. *Unfallchirurg* März 2013.
6. Frink M, **Flohé S**, van Griensven M, Mommsen P, Hildebrand F. Facts and fiction: the impact of hypothermia on molecular mechanisms following major challenge. *Mediator Inflamm.* 2012;762840. Epub 2012 Mar 27
7. Wild M., Windolf J., **Flohé S**. Patellafrakturen. *Unfallchirurg* 113:401-11 (2010).
8. Lögters T, Windolf J, **Flohé S**. Fractures of the shaft of the femur. *Unfallchirurg* 112: 635-50 (2009).
9. Flohé S.B. **Flohé S**, Schade F.U. Deterioration of the immune system after trauma: signals and cellular mechanisms. *Innate Immunity* 14: 333-44 (2009).
10. **Flohé S**, Flohé SB, Schade FU, Waydhas C. Immune Response of severely injured patients – influence of surgical intervention and therapeutic impact. *Langenbeck's Arch Surg* 392: 639-48 (2007).
11. **Flohé S**, Kobbe P, Nast-Kolb D. Immunological reactions secondary to blood transfusion. *Injury* 38: 1405-08 (2007).
12. Waydhas C, **Flohé S**. Kriterien der Operabilität. *Trauma und Berufskr.* 9:177-81 (2007).
13. **Flohé S**, Waydhas C, Nast-Kolb D. Traumatischer Schock, Notfall und Rettungsmedizin 9: 516-21 (2006)
14. Nast-Kolb D, **Flohé S**, Ruchholtz S. Akute Infektion nach Osteosynthese. *OP-Journal* 16:86-91 (2000).
15. Schade FU, Flach R, **Flohé S**, Majetschak M, Kreutzfelder E, Domínguez-Fernández E, Bürgermann J, Reuter M, Obertacke U: Endotoxin Tolerance pp 751-766; In: Brade H., Opal S., Vogel S., Morrison D. Endotoxin in Health and Disease. Marcel Dekker, Inc New York, Basel (1999).

2. Buchbeiträge (15)

1. **Flohé, S**, Matthes G, Paffrath T, Trentzsch H, Wölfl C (Herausgeber) *Schwerverletztenversorgung* Thieme-Verlag 2018

2. **Flohé S**, Lögters T. Kapitel: Grundlagen der Schwerverletztenversorgung, Epidemiologie in Management des Schwerverletzten, Pape HC, Hildebrandt F, Ruchholtz S Herausg. Springer-Verlag 2018
3. Thelen S., **Flohé S**. Kapitel: Systemische Traumareaktion und Damage Control bei Polytrauma in Kalkulierte unfallchirurgische Erstversorgung, Schmidt J, Krasnici S, Schmidt I Herausg. KVM-Medizinverlag 2014
4. **Flohé S**. Kapitel: „The Pelvis“ in Manual of Definitive Surgical Trauma Care, Boffard K. Herausg. CRC-Press 2016 (4. Auflage).
5. **Flohé S**, Weindl R. Kapitel: Orthopädie und Unfallchirurgie in Ambulantes Operieren in Klinik, Praxis und MVZ, Standl T . Lussi C Herausg. Springer-Verlag 2016 (3. Auflage).
6. **Flohé S**, Uranüs S, Kapitel: Pelvic, Lumbar and Thoracic Spine and Spinal cord Injuries in Surgery – Core Principles and Practice, Corson J, Williamson R Herausg., Jaypee Brothers Medical Publisher, 2. Auflage 2017
7. Uranüs S, **Flohé S**, Kapitel: Abdominal, Urologic and Perineal Injuries in Surgery – Core Principles and Practice, Corson J, Williamson R Herausg., Jaypee Brothers Medical Publisher, 2. Auflage 2017
8. **Flohé S**. Kapitel „Polytrauma“ in Orthopädie und Unfallchirurgie essentials, Ruchholtz u. Wirtz Herausg. Thieme-Verlag 2010, 2. Auflage 2013
9. **Flohé S**, Husain B, Nast-Kolb D, Schade FU: Häorrhagie-induzierte Suppression der Zytokin-Synthesefähigkeit wird durch GM-CSF wiederhergestellt. Chirurgisches Forum 297 (2003)
10. Schade FU, Flach R, **Flohé S**, Majetschak M, Kreutzfelder E, Domínguez-Fernández E, Börgermann J, Reuter M, Obertacke U: Endotoxin Tolerance pp 751-766; In: Brade H., Opal S., Vogel S., Morrison D. Endotoxin in Health and Disease. Marcel Dekker, Inc New York, Basel (1999).
11. Schmitz D, **Flohé S**, Obertacke U, Schade FU: Charakterisierung einer TNF α -inhibitorischen Aktivität aus fötalen Kälberserum. Hefte zur Zeitschrift „ Der Unfallchirurg“ 272: 675-676 (1998).
12. Ackermann M, Reuter M, **Flohé S**, Flach R, Bahrami S, Schlag G, Schade FU. Endotoxin tolerance and hemorrhagic shock in rats. Langenbeck's Arch. Surg Suppl: 181-184 (1998).
13. **Flohé S**, Börgermann J, Kreuzfelder E, Lim L, Flach R, Majetschak M, Obertacke U, Schade FU. Modulation of immune response after polytrauma and cardiopulmonary bypass by hematopoietic growth factors. Langenbeck's Arch. Surg Suppl: 169-172 (1998)
14. **Flohé S**, Majetschak M, Obertacke U, Schade FU. Polymorphismus im TNF-Gen: Korrelation mit dem Auftreten schwerer Sepsis nach Polytrauma. Hefte zur Zeitschrift „ Der Unfallchirurg“ 268: 880-882 (1997).

15. Heinrich PC, Dufhues G, **Flohé S**, Horn F, Krause E, Krüttgen A, Legres L, Lenz D, Lütticken C, Schootlink H, Stoyan T, Conradt H, Rose-John S. Interleukin-6, its hepatic receptor and the acute phase response of the liver. In Sies H, Flohé L and Zimmer G: Molecular Aspects of Inflammation, Springer-Verlag, Heidelberg (1992).