

## 6. Literaturverzeichnis

- Albani D, Balduyck M, Mizon C und Mizon J (1997)  
**Inter- $\alpha$ -inhibitor as a marker for neutrophil proteinase activity: an in vitro investigation.**  
J Lab Clin Med 130: 339-47
- Baum O (1994)  
**Untersuchungen zur Expression von Isoformen des zellulären Adhäsionsproteins cell-CAM 105 (gp 110), ein Mitglied der Immunglobulin-Superfamilie der Ratte.**  
Dissertation, Freie Universität Berlin
- Baek YW, Brokat S, Padbury JF, Pinar H, Hixson DC und Lim YP (2003)  
**Inter-alpha inhibitor proteins in infants and decreased levels in neonatal sepsis.**  
J Pediatr 143: 11-5
- Balduyck M, Albani D, Jourdain M, Mizon C, Tournoys A, Drobecq H, Fourrier F und Mizon J (2000)  
**Inflammation-induced systemic proteolysis of inter-alpha-inhibitor in plasma from patients with sepsis.**  
J Lab Clin Med 135: 188-98
- Bernard GR, Vincent JL, Laterre PF, LaRosa SP, Dhainaut JF, Lopez-Rodriguez A, Steingrub JS, Garber GE, Helterbrand JD, Ely EW und Fisher CJ Jr (2001)  
**Efficacy and safety of recombinant human activated protein C for severe sepsis.**  
N Engl J Med 344: 699-709
- Bjorck L und Kronvall G (1984)  
**Purification and some properties of streptococcal protein G, a novel IgG-binding reagent.**  
J Immunol 133: 969-74
- Bork P und Rohde K (1991)  
**More von Willebrand factor type A domains? Sequence similarities with malaria thrombospondin-related anonymous protein, dihydropyridine-sensitive calcium channel and inter-alpha-trypsin inhibitor.**  
Biochem J 279: 908-10
- Bost F, Diarra-Mehrpour M und Martin JP (1998)  
**Inter-alpha-trypsin inhibitor proteoglycan family-a group of proteins binding and stabilizing the extracellular matrix.**  
Eur J Biochem 252: 339-46

Boyce JM (1997)

**Vancomycin-resistant enterococcus.**  
Infect Dis Clin North Am 11: 367-84

Burg ND und Pillinger MH (2001)

**The neutrophil: function and regulation in innate and humoral immunity.**

Clin Immunol 99: 7-17

Caliezi C, Wuillemin WA, Zeerleder S, Redondo M, Eisele B und Hack CE (2000)

**C1-esterase inhibitor: an anti-inflammatory agent and its potential use in the treatment of diseases other than hereditary angioedema.**

Pharmacol Rev 52: 91-112

Chan P, Risler JL, Raguenez G und Salier JP (1995)

**The three heavy-chain precursors for the inter-alpha-inhibitor family in mouse: new members of the multicopper oxidase protein group with differential transcription in liver and brain.**

Biochem J 306: 505-12

Chawla RK, Rausch DJ, Miller FW, Vogler WR und Lawson DH (1984)

**Abnormal profile of serum proteinase inhibitors in cancer patients.**

Cancer Res 44: 2718-23

Choi-Miura NH (2001)

**Quantitative measurement of the novel human plasma protein, IHRP, by sandwich ELISA.**

Biol Pharm Bull 24: 214-7

Choi-Miura NH, Sano Y, Oda E, Nakano Y, Tobe T, Yanagishita T, Taniyama M, Katagiri T und Tomita M (1995)

**Purification and characterization of a novel glycoprotein which has significant homology to heavy chains of inter-alpha-trypsin inhibitor family from human plasma.**

J Biochem (Tokyo) 117: 400-7

Colombatti A und Bonaldo P (1991)

**The superfamily of proteins with von Willebrand factor type A-like domains: one theme common to components of extracellular matrix, hemostasis, cellular adhesion, and defense mechanisms.**

Blood 77: 2305-15

Daveau M, Rouet P, Scotte M, Faye L, Hiron M, Lebreton JP und Salier JP (1993)

**Human inter-a-inhibitor family in inflammation: simultaneous synthesis of positive and negative acute-phase proteins.**

Biochem J 292: 485-92

De Bont ESJM, Martens A, Van Raan J, Samson G, Fetter WP, Okken A und de Leij LH (1992)

**Tumor necrosis soluble receptors circulate during experimental and clinical inflammation and can protect against excessive tumor necrosis factor alpha in vitro and in vivo.**

Proc Natl Acad Sci USA 89: 4845-9

Diarra-Mehrpour M, Bourguignon J, Sesboué R, Mattei MG, Passage E, Salier JP und Martin JP (1989)

**Human plasma inter-alpha-trypsin inhibitor is encoded by four genes on three chromosomes.**

Eur J Biochem 179: 147-54

Enghild JJ, Salvesen G, Thogersen IB, Valnickova Z, Pizzo SV und Hefta SA (1993)

**Presence of the protein-glycosaminoglycan-protein covalent cross-link in the inter-alpha-inhibitor-related proteinase inhibitor heavy chain 2/bikunin.**

J Biol Chem 268: 8711-6

Escobar GJ (1999)

**The neonatal “sepsis work-up”: personal reflections on the development of an evidence-based approach toward newborn infections in a managed care organization.**

Pediatrics 103: 360-73

Escobar GJ, Zuckin T, Usatin MS, Lemesurier J, Honeychurch D, Armstrong MA und Folck B (1994)

**Early discontinuation of antibiotic treatment in newborns admitted to rule out sepsis: decision rule.**

Pediatr Infect Dis J 13: 860-6

Ey PL, Prowse SJ und Jenkin CR (1978)

**Isolation of pure IgG1, IgG2a and IgG2b immunoglobulins from mouse serum using protein A-sepharose.**

Immunochemistry 15: 429-36

Fourrier F, Chopin C, Goudemand J, Hendrix S, Caron C, Rime A, Marey A und Lestavel P (1992)

**Septic shock, multiple organ failure and disseminated intravascular coagulation: compared patterns of antithrombin III, protein C and protein S deficiencies.**

Chest 101: 816-23

Fries E und Blom AM (2000)

**Bikunin-not just a plasma proteinase inhibitor.**

Int J Biochem Cell Biol 32: 125-37

- Fritz H, Jochum M, Geiger R, Duswald KH, Kortmann H, Neumann S und Lang H (1986) **Granulocyte proteinases as mediators of unspecific proteolysis in inflammation: a review.**  
Folia Histochem Cytobiol 24: 99-115
- Geppert A, Steiner A, Zorn G, Delle-Karth G, Koreny M, Haumer M, Siostrzonek P, Huber K und Heinz G (2002) **Multiple organ failure in patients with cardiogenic shock is associated with high plasma levels of interleukin-6.**  
Crit Care Med 30: 1987-94
- Gerdes JS (1991) **Clinicopathological approach to the diagnosis of neonatal sepsis.**  
Clin Perinatol 65: 361-81
- Gilbert GL, Hewitt MC, Turner CM und Leeder SR (2002) **Epidemiology and predictive values of risk factors for neonatal group B streptococcal sepsis.**  
Aust N Z J Obstet Gynaecol 42: 497-503
- Gonzalez BE, Mercado CK, Johnson L, Brodsky NL und Bhandari V (2003) **Early markers of late-onset sepsis in premature neonates: clinical, hematological and cytokine profile.**  
J Perinat Med 31: 60-8
- Heron A, Borghi H, Calle A, Bourguignon J, Diarra-Mehrpor M, Martin JP und Sesboue R (1995) **Gene expression and protein distribution of inter-alpha-trypsin inhibitor in three human hepatoma cell lines.**  
Cell Biol Int 19: 593-602
- Hochstrasser K, Feuth H, Fall J und Kemkes B (1974) **Säurestabile Proteaseinhibitoren im Blutplasma bei verschiedenen Nephropathien.**  
Klin Wochenschr 52: 1015-7
- Iarygin DV, Klunova SM und Filippovich IB (2001) **A study of the complex of proteolytic enzymes and their protein inhibitors in embryogenesis of the silkworm.**  
Ontogenet Russian 32: 269-76
- Jochum M, White J, Duswald KH, Inthorn D, Welter H und Fritz H (1986) **Pathobiochemistry of sepsis: role of proteinases, proteinase inhibitors and oxidizing agents.**  
Behring Inst Mitt 79: 121-30

- Jochum M, Gippner-Steppert C, Machleidt W und Fritz H (1994)  
**The role of phagocyte proteinases and proteinase inhibitors in multiple organ failure.**  
 Am J Respir Crit Care Med 150: 123-30
- Josic D, Hofmann W, Habermann R, Becker A und Reutter W (1987)  
**High-performance liquid affinity chromatography of liver plasma membrane proteins.**  
 J Chromatogr 397: 39-46
- Kaga N, Katsuki Y, Futamura Y, Obata M und ShibutaniY (1996)  
**Role of urinary trypsin inhibitor in the maintenance of pregnancy in mice.**  
 Obstet Gynecol 88: 872-82
- Kanayama N, Halim A, Maehara K, Kajiwara Y, Fujie M und Terao T (1995a)  
**Kunitz-type trypsin inhibitor prevents LPS-induced increase of cytosolic free Ca<sup>2+</sup> in human neutrophils and HUVEC cells.**  
 Biochem Biophys Res Comm 207: 324-30
- Kanayama N, Maradny E, Halim A, Liping S, Maehara K, Kajiwara Y und Terao T (1995b)  
**Urinary trypsin inhibitor prevents uterine muscle contraction by inhibition of Ca<sup>++</sup> influx.**  
 Am J Obstet Gynecol 173: 192-9
- Kanayama N, Maehara K, She L, Belayet HM, Khatun S, Tokunaga N und Terao T (1998)  
**Urinary trypsin inhibitor suppresses vascular smooth muscle contraction by inhibition of Ca<sup>2+</sup> influx.**  
 Biochem Biophys Acta 1381: 139-46
- Kishimoto T (1989)  
**The biology of interleukin-6.**  
 Blood 146: 147-51
- Klein JO und Marcy SM (1995)  
**Bacterial sepsis and meningitis.**  
 In: Remington JS, Klein JO, eds. Infectious diseases of the fetus and newborn infant.  
 Philadelphia: WB Saunders S: 835-78
- Laemmli UK (1970)  
**Cleavage of structural proteins during the assembly of the head of bacteriophage T4.**  
 Nature 227: 680-5
- Leclerc F, Cremer R und Noizet O (2003)  
**Procalcitonin as a diagnostic and prognostic biomarker of sepsis in critically ill children.**  
 Pediatr Crit Care Med 4: 264-6

Lim YP (1990)

**Die Calcium bindenden Proteine CBP 65/67, CBP 33 und CBP 35.**

Dissertation, Freie Universität Berlin

Lim YP, Bendelja K, Opal SM, Siryaporn E, Hixson DC und Palardy JE (2003)

**Correlation between mortality and the levels of inter-alpha inhibitors in the plasma of patients with severe sepsis.**

J Infect Dis 188: 919-26

Lim YP, Opal SM, Bendelja K, Salvemini P, Yang S und Gruber G (2000)

**Inter-a trypsin inhibitor: decreased plasma levels in septic patients and its beneficial effects in an experimental sepsis model.**

Shock 13: 367

Lorente JA, García-Frade LJ, Lundín L, de Pablo R, Torrado C, Renes E und García-Avello A (1993)

**Time course of hemostatic abnormalities in sepsis and its relation to outcome.**

Chest 103: 1536-42

Luzzani A, Polati E, Dorizzi R, Rungatscher A, Pavan R und Merlini A (2003)

**Comparison of procalcitonin and C-reactive protein as markers of sepsis.**

Crit Care Med 31: 1737-41

Machovich R und Owen WG (1990)

**The elastase-mediated pathway of fibrinolysis.**

Blood Coagul Fibrin 1: 79-90

Mackenzie MR, Warner NL und Mitchell GF (1978)

**The binding of murine immunoglobulins to staphylococcal protein A.**

J Immunol 120: 1493-6

Maradny EE, Kanayama N, Halim A, Maehara K und Terao T (1994)

**Urinary trypsin inhibitor has a protective effect on the amnion.**

Gynecol Obstet Invest 38: 169-72

Martin H, Olander B und Norman M (2001)

**Reactive hyperemia and interleukin 6, interleukin 8, and tumor necrosis factor-alpha in the diagnosis of early-onset neonatal sepsis.**

Pediatrics 108: E61

Matthay MA (2001)

**Severe sepsis—a new treatment with both anticoagulant and antiinflammatory properties.**

N Engl J Med 344: 759-62

Morelle W, Capon C, Balduyck M, Sautiere P, Kouach M, Michalski C, Fournet B und Mizon J (1994)

**Chondroitin sulphate covalently cross-links the three polypeptide chains of inter-alpha-trypsin inhibitor.**

Eur J Biochem 221: 881-8

Murray BE (1994)

**Can antibiotic resistance be controlled?**

N Engl J Med 330: 1129-30

Okajima K, Fujise R, Motosato Y, Ushijima M, Okabe H und Takatsuki K (1994)

**Plasma levels of granulocyte elastase-alpha 1-proteinase inhibitor complex in patients with disseminated intravascular coagulation: pathophysiologic implications.**

Am J Hematol 47: 82-8

Parrillo JE (1993)

**Pathogenetic mechanism of septic shock.**

N Engl J Med 328: 1471-7

Parrillo JE, Parker MM und Natanson C (1990)

**Septic shock in humans: advances in the understanding of pathogenesis, cardiovascular dysfunction, and therapy.**

Ann Int Med 113: 227-42

Philip AG und Hewitt JR (1980)

**Early diagnosis of neonatal sepsis.**

Pediatrics 65: 1036-41

Potempa J, Kwon K, Chawla R und Travis J (1989)

**Inter-alpha-trypsin inhibitor. Inhibition spectrum of native and derived forms.**

J Biol Chem 264: 15109-14

Powers JC, Odake S, Oleksyszyn J, Hori H, Ueda T, Boduszek B und Kam C (1993)

**Proteases structures, mechanism and inhibitors.**

Agents Action Suppl 42: 3-18

Rangel-Frausto MS, Pittet D, Costigan M, Hwang T, Davis CS und Wenzel RS (1995)

**The natural history of the systemic inflammatory response syndrome (SIRS): a prospective study.**

JAMA 273: 117-23

Rietschel ET und Brade H (1992)

**Bacterial endotoxins.**

Sci Am 267: 54-61

Romagnoli C, Frezza S, Cingolani A, De Luca A, Puopolo M, De Carolis MP, Vento G, Antinori A und Tortorolo G (2001)

**Plasma levels of interleukin-6 and interleukin-10 in preterm neonates evaluated for sepsis.**

Eur J Pediatr 160: 345-50

Salier JP (1990)

**Inter-alpha-trypsin inhibitor: emergence of a family within the Kunitz-type protease inhibitor superfamily.**

Trends Biochem Sci 15: 435-9

Salier JP, Chan P, Raguenez G, Zwingman T und Erickson RP (1993)

**Developmentally regulated transcription of the four liver-specific genes for inter-alpha-inhibitor family in mouse.**

Biochem J 296: 85-91

Salier JP, Rouet P, Raguenez G und Daveau M (1996)

**The inter-alpha-inhibitor family: from structure to regulation.**

Biochem J 315: 1-9

Salier JP, Simon D, Rouet P, Raguenez G, Muscatelli F, Gebhard W, Guenet JL und Mattei MG (1992)

**Homologous chromosomal locations of the four genes for inter-alpha-inhibitor and pre-alpha-inhibitor family in human and mouse: assignment of the ancestral gene for the lipocalin superfamily.**

Genomics 14: 83-8

Salinovich O und Montelaro RC (1986)

**Reversible staining and peptide mapping of proteins transferred to nitrocellulose after separation by sodium dodecylsulfate-polyacrylamide gelectrophoresis**

Anal Biochem 156: 341-7

Sjöberg EM, Blom A, Sjöquist M, Wolgast M, Alston-Smith J und Fries E (1995)

**Plasma clearance of rat bikunin: evidence of receptor mediated uptake.**

Biochem J 308: 881-7

Steinbruch M und Loeb J (1961)

**Isolation of an a2-globulin from human plasma.**

Nature 192: 1196

Suffredini AF, Harpel PC und Parillo JE (1989)

**Promotion and subsequent inhibition of plasminogen activation after administration of intravenous endotoxin to normal subjects.**

N Engl J Med 320: 1165-72

Sugiki M, Sumi H, Maruyama M, Yoshida E und Mihara H (1989)

**Clearance and distribution of acid-stable trypsin inhibitor (ASTI).**

Enzyme 42: 31-8

Trefz G, Streit B, Justus CW, Ebert W und Kramer MD (1991)

**Establishment of an enzyme-linked immuno-sorbent assay for urinary trypsin inhibitor by using a monoclonal antibody.**

J Immunoassay 12: 347-69

Vermont-Oxford Neonatal Network (1996)

**Vermont-Oxford Neonatal Network 1995 Database Summary.**

Burlington: Vermont-Oxford Neonatal Network

Viedma JA, Pèrez-Mateo M, Agullo J, Dominguez JE und Carballo F (1994)

**Inflammatory response in the early prediction of severity of human acute pancreatitis.**

Gut 35: 822-7

Witte J, Jochum M, Scherer R, Schramm W, Hochstrasser K und Fritz H (1982)

**Disturbances of selected plasma proteins in hyperdynamic septic shock.**

Intens Care Med 8: 215-22

Yang S, Lim YP, Zhou M, Salvemini P, Schwinn H, Josic D, Koo DJ, Chaudry ICH und Wang P (2002)

**Administration of human inter-alpha-inhibitors maintains hemodynamic stability and improves survival during sepsis.**

Crit Care Med 30: 617-22