

GARRET S. ZALLEN, MD

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Portland, OR 97239

POSITIONS:

ASSISTANT PROFESSOR OF PEDIATRIC SURGERY Division of Pediatric Surgery, Oregon Health & Science University	Sept, 2004-present
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EDUCATION:

PEDIATRIC SURGERY FELLOWSHIP Children's Hospital of Buffalo	July, 2004
SURGICAL RESIDENCY University of Colorado Health Sciences Center	July, 2001
DOCTOR OF MEDICINE: University of Colorado Health Sciences Center Denver, Colorado	May, 1994
ARTIUM BACCALAUREUS: Washington University Saint Louis, Missouri	May, 1990

HONORS/AWARDS:

SURGICAL RESIDENCY:	
•Resident Educator of the Year	July, 2001
•National Winner ACS Committee on Trauma; Research Award	March, 1999
•Regional Winner ACS Committee on Trauma; Research Award	March, 1998
•Intern of the Year	July, 1995
MEDICAL SCHOOL:	
•Graduation with University Honors	May, 1994
•Honor Council Chairperson	May, 1993-May, 1994
Representative	June, 1991-May, 1993
•Louise Coulter Fellowship Research Award	May, 1992
UNDERGRADUATE:	
•Cum Laude Graduate; Washington University	June, 1990

CERTIFICATION:

AMERICAN BOARD OF SURGERY	September, 2002
AMERICAN BOARD OF SURGERY: PEDIATRIC SURGERY	April, 2006
NEW YORK STATE MEDICAL LICENCE	May, 2001
ADVANCED TRAUMA LIFE SUPPORT	August, 2006
UNITED STATES MEDICAL LICENSING EXAMINATION: •Steps 1, 2 & 3: Passed	December, 1996

SOCIETY/BOARD MEMBERSHIPS:

Surgical Vice Chair: Pediatric Tumor Board	2005-present
Pediatric Surgical Member: Neonatal Steering Committee	2005-present
Fellow of the American College of Surgery	2006
American Pediatric Surgical Association	2007
American Academy of Pediatrics	
Portland Academy of Pediatrics	
International Pediatric Endosurgery Group	
SAGES	

TEACHING EXPERIENCE:

Instructor: Principals of Clinical Medicine	2006-present
Educational Director: Pediatric Surgery Residency Program	2006-present

RESEARCH EXPERIENCE:

- Blood Transfusion and Development of Multiple Organ Failure July, 1997-July, 1999
Advisors: Dr. Ernest E. Moore and Dr. Alden Harken
- The Effect of Trauma on Neutrophils July, 1997-July, 1999
Advisors: Dr. Ernest E. Moore and Dr. Alden Harken
- The Effect of Mitochondrial Manganese Superoxide July-August, 1991
Dismutase on Oxygen Free Radical Scavenging
Advisor: Dr. Joe McCord
- Ischemia and Reperfusion Injury in Isolated June, 1991
Perfused Rabbit Hearts
Advisor: Dr. Joe McCord
- The Effect of Glucose on Memory in Mild Senile May-August, 1989
Dementia of the Alzheimer Type
Advisor: Dr. Suzanne Craft

PUBLICATIONS:

1. Craft, S., Zallen, G., Baker, L. D. Glucose and memory in mild senile dementia of the Alzheimer type. *J Clin Exp Neuropsychol.* **14**:253, 1992.
2. Zallen, G., McCord, J. Mitochondrial scavenging of extramitochondrial superoxide. *Clinical Research.* **40**:80A, 1992.

3. Johnson, J., Moore, E., Offner, P., Partrick, D., Tamura, D., Zallen, G., Aiboshi, J., Silliman, C. Resuscitation with a blood substitute attenuates postinjury upregulation of neutrophil CD11b/CD18. *Shock*. **9**:13, 1998.
4. Johnson, J. L., Moore, E. E., Tamura, D. Y., Zallen, G., Biffl, W. L., Silliman, C. C. Interleukin-6 augments neutrophil cytotoxic potential via selective enhancement of elastase release. *J Surg Res*. **76**:91, 1998.
5. Tamura, D. Y., Moore, E. E., Johnson, J. L., Zallen, G., Aiboshi, J., Silliman, C. C. p38 mitogen-activated protein kinase inhibition attenuates intercellular adhesion molecule-1 up-regulation on human pulmonary microvascular endothelial cells. *Surgery*. **124**:403, 1998.
6. Tamura, D. Y., Moore, E. E., Partrick, D. A., Johnson, J. L., Zallen, G., Silliman, C. C. Primed neutrophils require phosphatidic acid for maximal receptor- activated elastase release. *J Surg Res*. **77**:71, 1998.
7. Zallen, G., Moore, E. E., Tamura, D. Y., Johnson, J. L., Aiboshi, J., Biffl, W., Silliman, C. C. Postinjury neutrophil priming in severely injured patients is mediated by p38 MAP kinase activation. *Surgical Forum*. **49**:100, 1998.
8. Zallen, G., Moore, E. E., Johnson, J. L., Tamura, D. Y., Barkin, M., Stockinger, H., Silliman, C. C. New mechanisms by which secretory phospholipase A2 stimulates neutrophils to provoke the release of cytotoxic agents. *Arch Surg*. **133**:1229, 1998.
9. Zallen, G., Moore, E. E., Tamura, D. Y., Johnson, J. L., Aiboshi, J., Biffl, W., Silliman, C. C. Postinjury suppression of human neutrophil cytokine production results from the stabilization of I kappa B. *Shock*. **11**: 77, 1999.
10. Zallen, G., Moore, E. E., Johnson, J. L., Tamura, D. Y., Aiboshi, J., Biffl, W., Silliman, C. C. Circulating postinjury neutrophils are primed for the release of proinflammatory cytokines. *Journal of Trauma*. **46**: 42, 1999.
11. Zallen, G., Moore, E. E., Johnson, J. L., Tamura, D. Y., Ciesla, D., Silliman, C. C. Post-hemorrhagic shock mesenteric lymph primes circulating neutrophils and provokes lung injury. *Journal of Surgical Research*. **15**: 83, 1999.
12. Zallen, G., Moore, E. E., Ciesla, D., Biffl, W., Brown, M., Silliman, C.C. Lipids from post-shock mesenteric lymph are responsible for systemic neutrophil priming. *Surgical Forum*, 1999.
13. Zallen, G., Moore, E. E., Ciesla, D., Brown, M., Biffl, W., Silliman, C.C. Stored red blood cells selectively activate human neutrophils to release IL-8 and secretory PLA₂. *Shock*. **13**: 1, 2000.

14. Zallen, G., Moore, E. E., Tamura, D., Johnson, J., Biffl, W., Silliman, C. C. Hypertonic saline resuscitation abrogates neutrophil priming by mesenteric lymph. *J. Trauma*. **48** 1, 2000.
15. Zallen, G., Offner, P., Moore, E. E. Blackwell, J., Ciesla, D., Gabriel, J., Silliman, C. C. Age of transfused blood is an independent risk factor for the development of multiple organ failure. *Am J. of Surgery*. **178** 6, 2000.
16. Johnson J.L., Moore E.E., Hiester A., Tamura, D., Zallen, G., Disparities in the respiratory burst between human and rat neutrophils. *J Leukoc Biol*, **65**: 211-6, 1999.
17. Ciesla D.J., Moore E.E., Zallen G., Biffl W.L., Silliman C.C. Hypertonic saline attenuation of polymorphonuclear neutrophil cytotoxicity: timing is everything. *J. Trauma*. **48** 3, 2000.
18. Shames B.D., Zallen G.S., McIntyre, R.C. Bensard D.D., Pulido E.J., Harken A.H. Chemokines as mediators of diseases related to surgical conditions. *Shock*. **14** 1, 2000.
19. Johnson JL, Moore EE, Offner PJ, Partrick DA, Tamura DY, Zallen G, Silliman CC. Resuscitation with a blood substitute abrogates pathologic postinjury neutrophil cytotoxic function. *J Trauma*. 2001 Mar;50(3):449-55; discussion 456.
20. Zallen, G., Moore, E.E., Hemorrhagic shock. Surgical Secrets, 4th ed., Harken and Moore, p. 60-63
21. Zallen, G., Karrer, F., Choledochal Cysts. Surgical Directives: Pediatric Surgery. Mattei, 2003 Lippincott, Williams and Wilkins, p563-566.
22. Lewis N., Zallen, G., Levitt, M., Zafar MS, Iacono KL, Rossman JE, Caty MG, Glick PL. Diagnosing Hirschsprung's disease: Increasing the odds of a positive rectal biopsy result. *J Pediatr Surg*. 2003 Mar;38(3):412-6.
23. Borowitz, D., Zallen, G., Sharp, J., Cerny, F., and Glick, P., Pulmonary function and response to exercise following Nuss repair in patients with pectus excavatum. *J Pediatr Surg*. 2003 Apr;38(4):544-7.
24. Zallen, G., Glick, P., Congenital diaphragmatic hernia. Surgical Decision Making- 4th ed. in press
25. Silliman CC, Moore EE, Zallen G, Gonzalez R, Johnson JL, Elzi DJ, Meng X, Hanasaki K, Ishizaki J, Arita H, Ao L, England KM, Banerjee A. Presence of the M-type sPLA(2) receptor on neutrophils and its role in elastase release and adhesion. *Am J Physiol Cell Physiol*. 2002 Oct;283(4):C1102-13.
26. Zoeller GK, Zallen GS, Glick PL. Cardiopulmonary resuscitation in patients with a Nuss

bar—a case report and review of literature. *J Pediatr Surg.* 2005 Nov;40(11):1788-91.

27. Zallen GS, Bliss DW, Curran TJ, Harrison MW, Silen ML. Biliary Atresia. *Pediatrics in Review.* 2006 Jul;27(7): 243-247.

PRESENTATIONS:

Society of University Surgeons, *Secretory phospholipase A₂ directly primes and activates PMNs for cytotoxicity*; Residents Section, February, 1998, Milwaukee, WI.

American College of Surgeons Committee on Trauma, *New Mechanisms by which Secretory PLA₂ Stimulates neutrophils to provoke the release of cytotoxic agents*; March, 1998, Chicago IL.

Surgical Infection Society, *A novel mechanism by which Secretory Phospholipase A₂ stimulates human neutrophils to release cytotoxic agents*; April, 1998, New York, NY.

Shock Society, *Postinjury downregulation of PMN cytokine production results from stabilization of IκBα* ; June, 1998, San Antonio, TX.

Association for the Surgery of Trauma, *Circulating postinjury neutrophils are primed for the release of proinflammatory cytokines*; September, 1998, Baltimore, MD.

American College of Surgeons, Surgical Forum, *Postinjury neutrophil priming in severely injured patients is mediated by p38 MAP kinase activation*; October, 1998, Orlando, FL.

Association for Academic Surgery, *Post-hemorrhagic shock mesenteric lymph primes circulating neutrophils and provokes lung injury*; November, 1998, Seattle, WA.

American College of Surgeons Committee on Trauma, *Age of transfused blood is an independent risk factor for multiple organ failure*; March, 1999, Washington D.C.

Society of University Surgeons, *Hypertonic saline resuscitation abrogates neutrophil priming by mesenteric lymph*; February, 1999, New Orleans, LA.

Southwestern Surgical Association, *Age of Stored packed red blood cells is an independent risk factor for the development of multiple organ failure*; April, 1999, San Diego, CA

Canadian Association of Pediatric Surgeons, *Miniature Access Pectus Excavatum Repair: Lessons we have learned*; August, 2003, Niagra on the Lake, Ontario, Canada

International Endosurgery Group, *Nuss Pectus Repair; Lessons We Have Learned*, April, 2005, Venice, Italy.

International Endosurgery Group, *Laparoscopic Placement of a Chait Tube*, April, 2006, Dallas, TX.