

CURRICULUM VITAE

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DEMOGRAPHIC

. Date of birth: July 5, 1948

. Place of birth: Isfahan, Iran

. Wife: Minu

. Child: Arian

EDUCATION

. High School: Keyhan, Isfahan, Iran, 1966

. College: Vorstudienlehrgang, Mödling, Austria, 1967

. University: a) Technical University of Vienna

. Bio and Food Chemistry

. Diplom Engineer (Master Degree), 1980

. Doctor Degree (PhD), 1984

. b) Medical University of Vienna,

. Institute of Medical Chemistry

. Univ. Dozent (Assoc. Professor), 1995

. Univ. a. o. Professor, 2001

EMPLOYMENT

. Ludwig Boltzmann Institute for Experimental and Clinical

. Traumatology, Vienna, Austria

. Date: From 1981 to present

. Title: Co-Director

. Head of Intensive Care Research Department

UNIVERSITY AFFILIATION

. Institute of Medical Chemistry, Medical University, Vienna, Austria

. Date: From 1994 to 2015

. Titel: Assoc. Professor (emeritus)

EDITORIAL BOARD MEMBER:

American Journal of Surgery
Chinese Journal of Trauma
Journal “Shock”
The Open Critical Care Medicine Journal

COUNCIL MEMBER

European Shock Society (President elect 2009-2011)
European Shock Society (President 2011-2013)
International Federation of Shock Society (President elect 2012-2016)
International Federation of Shock Society (**President 2016-2020**)

REVIEWER

American Journal of Surgery
Antioxidants & Redox Signalling
Clinical Chemistry and Laboratory Medicine
Critical Care
Critical Care Medicine
European Journal of Inflammation
European Journal of Trauma & Emergency Medicine
Journal “Shock”
Intensive Care Medicine
Life Science
Mediators of Inflammation
Physiological Research
PLOS ONE
The American Journal of the Medical Science
The Open Critical Care Medicine Journal
Neuroscience Letters
Oncotarget

RESEARCH EXPERTISE

30 years research experience in the field of shock, trauma, and sepsis.

The investigative work is directed to:

- Septic complications leading to multiple organ failure and death in trauma patients - with endogenous infection as possible cause
- Establishment of different clinically relevant models of hemorrhage/trauma, ischemia/reperfusion, and sepsis
- Identifying diagnostic/prognostic markers and new therapeutic approaches to improve health outcomes

HIGHLIGHT OF MOST RECENT WORK:

- Identifying a new possible prognostic diagnostic marker of sepsis in multiply traumatized patients. Most recent data show that NT-proCNP, a precursor of C-type natriuretic peptide exerts high sensitivity /specificity as a prognostic/diagnostic marker to identify patients with multiple trauma at risk of sepsis.

- Verifying D-lactate as plasma marker for gut permeability changes experimentally, with successful clinical application as a potential early marker for colon ischaemia after open aortic reconstruction.
- Identifying possible limitations of small volume resuscitation (hypertonic saline) during inadequate volume therapy (pre-hospital setting) after hemorrhage/trauma. Similar, results in patients led to terminate a multi center clinical trial.
- Characterization of differential effects of individual anesthetics on hemodynamics and organ damage following experimental hemorrhage and trauma.

FUNDED PROJECTS: 15 (National/International)

LECTURES: More than 70 invited lectures

REFERENCES: More than 150

H-INDEX: 35; CITATIONS 4274 (June 9th 2016)

MOST RECENT REFERENCES

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Shock, 34, 420 – 426, 2010
- Zifko C., Kozlov A.V., Postl A., Redl H., **Bahrami S.**:
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Shock, 34, 384 – 389, 2010
- Kozlov A.V., van Griensven M., Haindl S., Kehrer I., Duvigneau J., Hartl R.T., Ebel T., Jafarmadar M., Calzia E., Gnaiger E., Redl H., Radermacher P., **Bahrami S.**:
Peritoneal inflammation in pigs is associated with early mitochondrial dysfunction in liver and kidney.
Inflammation, 33, 295 – 305, 2010
- Bahrami S.**, Pelinka L., Khadem A., Maitzen S., Hawa G., van Griensven M., Redl H.: Circulating NT-proCNP predicts sepsis in patients with multiple trauma.
Critical Care Medicine, 38, 161 – 166, 2010
- Kapoor A., Shintani Y., Collino M., Osuchowski M.F., Busch D., Patel N.S., Sepodes B., Castiglia S., Fantozzi R., Bishop-Bailey D., Mota-Filipe H., Yaqoob M.M., Suzuki K., **Bahrami S.**, Désvergne B., Mitchell J.A., Thiemermann C.:
Protective Role of Peroxisome Proliferator-Activated Receptor- β/δ in Septic Shock.
American Journal of Respiratory and Critical Care Medicine, 182, 1506 – 1515, 2010
- Tan E.C., van Goor H., Bahrami S., Kozlov A.V., Leixnering M., Redl H., Goris R.J.:
Intra-arterial tert-butyl-hydroperoxide Infusion induces an exacerbated sensory response in the rat hind limb and is associated with an impaired tissue oxygen uptake.
Inflammation. 2011 Feb;34(1):49-57
- Sobhian B., Jafarmadar M., Redl H., **Bahrami S.**:
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Am J Surg. 2011 Jan;201(1):100-10.
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- Thromboelastometry (TEM®) Findings in Disseminated Intravascular Coagulation in a Pig Model of Endotoxemia.
Mol Med. 2011 3-4;17(3-4):266-272.
PMID: 21170471
- Bahrami S**, Benisch C, Zifko C, Jafarmadar M, Schöchl H, Redl H.
Xylazine-/Diazepam- Ketamine and Isoflurane Differentially Affect Hemodynamics and Organ Injury Under Hemorrhagic/Traumatic Shock and Resuscitation in Rats.
Shock. 2011 Jun;35(6):573-8.
PMID:21330949
- Drechsler S, Weixelbaumer KM, Redl H, van Griensven M, **Bahrami S**, Osuchowski MF.
Experimentally approaching the ICU: monitoring outcome-based responses in the two-hit mouse model of posttraumatic sepsis.
J Biomed Biotechnol. 2011;2011:357926.
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