



Oxygen & Infection

May 7-9, 2009
Stockholm, Sweden

Dear Colleagues and Friends,

Welcome to an European Committee for Hyperbaric Medicine (ECHM) Conference to review the role of oxygen in infectious diseases from basic science to daily clinical practice. The conference "Oxygen & Infection" is endorsed by European Society of Clinical Microbiology and Infectious Diseases (ESCMID).

Folke Lind, Claes Frostell, Bengt Eriksson, Lars I Eriksson
Local Organizing Committee

www.oxygeninfection.se

Scientific Program

Thursday, May 7, 2009

5th Karolinska Postgraduate Course in Clinical Hyperbaric Medicine

08.00-10.00 Session 1

HBO Mechanisms/ Diving/ Gasembolism/CO

HBO Mechanisms: From germs to stem cells – Oxidative stress can be good!

- Stephen Thom, USA

Decompression Sickness and Gas Embolism

- Simon Mitchell, New Zealand

Carbon Monoxide Poisoning- Morbidity-

Role of HBO? - Lin Weaver, USA

10.30-12.30 Session 2

Acute Ischemia/ Hypoxia/ Reperfusion injury. Postoperative infections

Oxygen & Infection & Healing

- Thomas K Hunt, USA

Endothelial-Neutrophil Interactions/ IR
injury/ sepsis: HBO Mechanisms

- Jon Buras, USA

Musculoskeletal Injury and Infection

- Ian Millar, Australia

Postoperative Infections and Complications

- Folke Lind, Sweden

13.30-15.30 Session 3

Severe Soft Tissue Infections

Severe Soft Tissue Infections;

Classification & Surgery

- Dirk Bakker, Netherlands

Sepsis and Tissue Oxygenation

- Daniel Mathieu, France

Treatment of Necrotizing Fasciitis

- Michael Bennett, Australia

Intracranial Abscesses

- Tiit Mathiesen, Sweden

16.00-18.00 Session 4

Hypoxic Problem Wounds / Oncology

Transcutaneous Oximetry, an evidence
based guide to interpretation

- Caroline E Fife, USA

Diabetic Foot RCT; Role of HBO?

- Christer Hammarlund, Sweden

Radiation Proctitis RCT; Role of HBO

Radiation sensitization with HBO

- Dick Clarke, USA

Friday, May 8, 2009

ECHM Conference "Oxygen & Infection"

08.00-10.00 Session 1

Oxygenation & Microorganisms

(Karl Erik Nord & Elisabeth Nagy)

Oxygenation of Hypoxic Infected Tissues

- Folke Lind, Sweden

Clinical Relevance of Oxidative Stress

- Stephen Thom, USA

Influence of Oxygen on Bacterial

Pathogenicity - Roland Möllby, Sweden

Biofilm and Oxygen Diffusion Limitation

- Niels Höiby, Denmark

10.30-12.30 Session 2

Antibiotics, Host Defense & Sepsis

(Karl Erik Nord & Stephen Thom)

Antibiotics & Oxygen Dependence

- Elisabeth Nagy, Hungary

Phagocytosis of Bacteria & Oxygen:

Host defence - Thomas K Hunt, USA

Host-Microbe Interactions

- Anna Norrby-Teglund, Sweden

Septic Inflammatory Response

- Jon Buras, USA

13.30-15.30 Session 3

Oxygenation & Postoperative Infections

(Claes Frostell & Thomas K Hunt)

Postoperative Surgical Site Infections &

Prevention - E. Patchen Dellinger, USA

Surgical Site Infections in Colorectal

Surgery - Per-Olof Nyström, Sweden

Normobaric Oxygen to Prevent Surgical

Site Infections - Andrea Kurz, USA

Side effects of Normobaric Oxygen

Treatment - Anders Larsson, Denmark

16.00-17.30 Session 4

Role of Oxygen to prevent Surgical Site

Infections (Claes Frostell & Thomas K Hunt)

Discussion: Is there a platform for a

future consensus meeting? "Role of

Supplemental Oxygen to Prevent Surgical

Site Infections in e.g. Colorectal Surgery"

Saturday, May 9, 2009

ECHM Conference "Oxygen & Infection"

08.00-10.00 Session 5

Necrotizing Fasciitis- the role of HBO

(Ragnar Norrby & Folke Lind)

History, Classification & Surgery

- Dirk Bakker, Netherlands

Bacteriology & Antibiotics

- Daniel Mathieu, France

Experimental Research

- Martti Hirn, Finland

Rationale- Clinical experience

- Lin Weaver, USA

10.30-12.30 Session 6

Necrotizing Fasciitis- the role of HBO

(Ragnar Norrby & Folke Lind)

Treatment of Necrotizing Fasciitis;

Role of HBO? Cochrane review:

- Michael Bennett, Australia

13.30-15.30 Session 7

The Infected Diabetic Foot – the role of HBO

(Daniel Mathieu, Kerstin Brismar)

The Infected Diabetic Foot

- Andrew JM Boulton, UK

Experimental Research

- Wende Buras, USA

HBO treatment of Diabetic Wounds, RCTs

- Jan Apelqvist, Sweden

New Double-Blind HBO Study with

Long-Term Follow up

- Magnus Löndahl, Sweden

Scientific Committee

Daniel Mathieu, France

Folke Lind, Sweden

Claes Frostell, Sweden

Carl Erik Nord, Sweden

Ragnar Norrby, Sweden