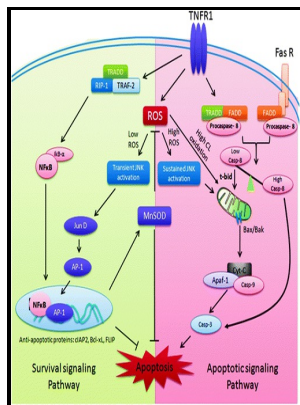


# Biological oxidants - generation and injurious consequences

Academic Press - Biological Oxidants: Generation and Injurious Consequences



Description: -

- Emergency management -- Congresses

Inflammation -- Pathogenesis.

Degeneration (Pathology) -- Etiology.

Oxidation, Physiological.

Free radicals (Chemistry) -- Pathophysiology. Biological oxidants - generation and injurious consequences

- Proceedings of SPIE--the International Society for Optical Engineering -- v. 6412.

Proceedings of SPIE -- v. 6412

v. 4

Cellular and molecular mechanisms of inflammation, Biological oxidants - generation and injurious consequences

Notes: Includes bibliographical references and index.

This edition was published in 1992



Filesize: 34.92 MB

Tags: #Biological #Implications #of #Lipid #Oxidation #Products

## Oxidative Stress: Definition, Effects on the Body, and Prevention

These results were consistent with those obtained following IV treatment of RAW 246. While infusion of sufficient L-NAME or L-NMMA totally blocked NOS-mediated NO formation, only partial inhibition of the NO triplet signal was observed with a 60—80% decrease.

## Oxidants, oxidative stress and the biology of ageing

Last medically reviewed on December 13, 2017. This investigation is focused on the implementation of the dietary phenylpropanoids in attenuation of acute kidney injury AKI in patents admitted to intensive care unit in a critical condition. Evid Based Complement Alternat Med.

## role of oxidants and free radicals in reperfusion injury

Indeed, we have observed that iron is released in the post-ischemic heart and that treatment with high affinity iron chelators such as deferoxamine can result in strong myocardial protection.

## Advanced Bioactive Compounds Countering the Effects of Radiological, Chemical and Biological Agents

Voitkun V, Zhitkovich A 1999 Analysis of DNA-protein crosslinking activity of malondialdehyde in vitro. Over the last two decades acute revascularization with thrombolytic drugs or interventional procedures has emerged as the standard treatment for patients with acute myocardial infarction. In addition, to examine IV-induced HO-1 protein expression, the cells were exposed to different concentrations of IV for varying periods of time.

## Advanced Bioactive Compounds Countering the Effects of Radiological, Chemical and Biological Agents

Am J Respir Cell Mol Biol. The cells were subjected to transient transfection with either control or Nrf2 siRNA.

## **Air pollutants disrupt iron homeostasis to impact oxidant generation, biological effects, and tissue injury**

Nitric oxide generation is increased in the ischemic heart through both NOS-dependent formation and NOS-independent nitrite reduction. This is accentuated in the military and medical staff that is more frequently exposed to radiological, chemical, and biological agents in their normal working environment. In addition, lung IL-6 concentration and BALF protein concentration decreased in IV-treated mice, which suggested that IV can improve endothelial barrier function Fig.

### **role of oxidants and free radicals in reperfusion injury**

B The lung injury score was determined following a five-point scale from 0 to 4 as follows: 0, 1, 2, 3, and 4 represent no damage, mild damage, moderate damage, severe damage, and very severe damage, respectively. The state of endothelial cell activation was determined by measuring IL-6 concentration in supernatants after exposure to LPS for 24 h. Kim KH, Kim DH, Jeong N.

### **Biological Implications of Lipid Oxidation Products**

Competing Interests The authors have declared that no competing interest exists. Carbon dioxide stimulates the production of thiol, sulfinyl, and disulfide radical anion from thiol oxidation by peroxynitrite.

---

## Related Books

- [Four Short Plays.](#)
- [Partis indépendantistes québécois, 1960-1970.](#)
- [Whole film sourcebook](#)
- [Klagenfurter Männergesangverein, gegründet 1847 - Chronik 1928-1973](#)
- [Letteratura latina e i metodi attuali della critica](#)