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Stress

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Cigarette-
Smoke- and Age-
Dependent

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Stress

Hui-Chuan Kau,
Shi-Bei Wu,
Chieh-Chih Tsai,
Catherine Jui-
Ling Liu, Yau-
Huei Wei, "
Cigarette Smoke
Extract-Induced
Oxidative Stress
and Fibrosis-
Related Genes
Expression in

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And Oxidative
Stress

Orbital
Fibroblasts from
Patients with
Graves'
Ophthalmopathy
", Oxidative
Medicine and
Cellular
Longevity, vol.
2016, Article ID
4676289, 10
pages, 2016.
<https://doi.org>

...

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Stress
Effects of
Smoking on
Oxidative Stress
and Vascular ...

- Peroxynitrite in cigarette smoke extract has been shown to react with and inactivate the α_1 -proteinase inhibitor. •

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Peroxynitrite has also been identified as an oxidative stress- inducing constituent of aqueous cigarette smoke fractions.

Cigarette smoke-
induced
oxidative stress
in skeletal ...

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Cigarette
Smoke-induced
Oxidative Stress
A Role in
Chronic
Obstructive
Pulmonary
Disease Skeletal
Muscle
Dysfunction

Esther Barreiro¹
, Victor I.
Peinado^{2,3}, Juan
B. Galdiz⁴,

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Elisabet

Ferrer^{2,3},

Judith Marin-
Corral¹,

Francisco

Sa´nchez^{1,2},

Joaquim Gea^{1,2},

and Joan Albert
Barbera`^{2,3}, on

behalf of the

ENIGMA in COPD

Project 1Muscle

and Respiratory

System Research

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And Oxidative
Stress
Unit,
Pulmonology ...

Cigarette smoke-
induced
oxidative
stress: A role
in ...

3.2. Cigarette
smoke and
biomarkers of
oxidative
stress. Free
radicals are a

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product of
cigarette smoke
and are
considered to
have negative
effects
producing
oxidative
stress. The
imbalance
between ROS and
antioxidant
systems inside
the cell is

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Cigarette Smoke
Extract-Induced
Oxidative Stress
and ...

Moreover,
numerous studies
have indicated
greater levels
of oxidative
stress in
cigarette

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smokers (78, 80), which is most likely attributed to the high concentration of ROS in cigarette smoke . In addition, CS has been associated with elevated ROS production by leukocytes in the airways of

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both acute and
chronic smokers
(21).

Cigarette Smoke
and Oxidative
Stress |

SpringerLink

It is also clear
that tobacco
smoke contains a
vast number of
chemicals with
important

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biological effects in disease processes. The gas phase of tobacco smoke is oxidizing, the tar phase is reducing, and whole smoke is roughly neutral, so its effects on oxidative stress may be an

Read Book
Cigarette Smoke
And Oxidative
Stress
"antioxidant
paradox.

Oxidative
Stress, Cell
Death, and Other
Damage to
Alveolar ...
Oxidative stress
/ Barry B.
Halliwell and
Henrik E.
Poulsen --
Tobacco smoke

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And Oxidative
Stress

constituents
affecting

oxidative stress

/ Jan B. Wooten,
Salem Chouchane,
and Thomas E.

McGrath --

Oxidative

modifications of
proteins and

lipids by

cigarette smoke
(CS) : a central

role for

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And Oxidative
Stress

unsaturated
aldehydes in CS-
mediated airway
inflammation /
Albert van der
Vfiet --

Cigarette smoke-
induced redox
signaling and
...

Cigarette
Smoke-induced
Oxidative Stress

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| A Role in ...

SUMMARY.

Oxidative stress is a basic mechanism involved in both ageand smoking-related diseases. To test whether smoking affects young, old, and calorie-restricted

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organisms to the same extent, we assessed oxidative stress parameters in the lung, heart, and liver of male Fischer 344 rats (4 months old and 19-22 months old) exposed to air or cigarette mainstream

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smoke.

Cigarette
Smoke-induced
Oxidative Stress
Side-stream
cigarette smoke
(SSCS), a major
component of
secondhand
smoke, induces
reactive oxygen
species, which
promote

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oxidative damage
in tissues and
organs.

Inflammatory
cytokines play
an important
role in the
pathogenesis of
atherosclerosis
and heart
failure. The
present 4-month
study examined ...

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Interrelated
role of
cigarette
smoking,
oxidative stress

...

Cigarette smoke
(CS)-induced
oxidative stress
may cause muscle
alterations in
chronic
conditions such
as chronic

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obstructive
pulmonary
disease (COPD).
We sought to
explore in AKR/J
mice exposed to
CS for 6 months
and in control
animals, levels
of protein
oxidation, ...

Effects of
Cigarette Smoke

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And Oxidative
Stress
Condensate on
Oxidative Stress

...

Flavonoids
isolated from
loquat
(Eriobotrya
japonica) leaves
inhibit
oxidative stress
and inflammation
induced by
cigarette smoke
in COPD mice:

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the role of
TRPV1 signaling
pathways . Tunyu
Jian, a Jian
Chen, * ab
Xiaoqin Ding, a
Han ...

Inhibition of
monoamine
oxidase-B by
selegiline
reduces ...

While cigarette

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smoking is prevalent amongst HIV-infected patients, the effects of cigarette smoke constituents in cells of myeloid lineage are poorly known. Recently, we have shown that nicotine induces

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oxidative stress
through

cytochrome P450
(CYP)

2A6-mediated
pathway in U937
monocytic cells.

The present
study was
designed to
examine the
effect of
cigarette smoke
condensate

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(CSC), which ...

Cigarette smoke
and oxidative
stress (Book,
2006 ...

In all,
cigarette smoke-
induced
oxidative stress
was partially
driven through
MAO-B related
mechanisms. Our

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results have shown that pretreatment of selegiline suppressed transcriptional inactivation of Bach1 and activation Nrf2, leading to decreased expression of antioxidant enzymes HO-1 and

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NQ01.

Cigarette Smoke And Oxidative Stress

It is also clear
that tobacco
smoke contains a
vast number of
chemicals with
important
biological
effects in

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disease

processes. The gas phase of tobacco smoke is oxidizing, the tar phase is reducing, and whole smoke is roughly neutral, so its effects on oxidative stress may be an "antioxidant paradox.

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Stress
Cigarette smoke
and oxidative
stress -

SlideShare

Rationale:

Inflammation and
oxidative stress
contribute to
muscle
dysfunction in
patients with
chronic
obstructive

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pulmonary
disease
(COPD). Oxidants
contained in
cigarette smoke
(CS) induce
adverse effects
on tissues
through
oxidative
phenomena.

Objectives: To
explore
oxidative stress

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and inflammation
in quadriceps of
human smokers
and in diaphragm
and limb muscles
of guinea pigs
chronically ...

Side-stream
cigarette smoke
induces dose-
response in ...

Thus,
psychologic

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stress itself can cause such changes, and it has been observed that smokers generally have higher stress levels than nonsmokers (7, 8), which is thought to explain why they smoke. Also,

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like stress and depression, smoking results in chronic inflammatory responses that, notwithstanding direct effects of smoking, may also be related indirectly to the high stress levels in ...

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Cigarette Smoke
and Oxidative
Stress | Barry

B. Halliwell ...

Oxidants

contained in

cigarette smoke

(CS) induce

adverse effects

on tissues

through

oxidative

phenomena.

OBJECTIVES: To

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explore
oxidative stress
and inflammation
in quadriceps of
human smokers
and in diaphragm
and limb muscles
of guinea pigs
chronically
exposed to CS.

Smoking and
oxidative stress
| The American

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Journal of ...

Cigarette smoke causes oxidative damage in alveolar epithelial cells. In vitro experiments with freshly isolated alveolar type II cells or the alveolar type II cell line (A549) have shown that

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cigarette smoke enhances intracellular ROS levels with a depletion of glutathione, thereby causing cell growth arrest, cell detachment, cell lysis, and enhanced epithelial permeability

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[18, 20, 24].
Stress

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