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OXIDATIVE STRESS AND PROTEIN CARBONYLATION AS A NEW TOOL TO ASSESS REDOX STATUS IN LIVER TOXICITY INDUCED BY IRON

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6. Abstract

ABSTRACT

The objectives of this study were to determine theeffect of iron (Fe) on Oxidative Stress Index (OSI) and Protein Carbonylation (PC), and their correlation in liver homogenate in v male rats (Rattus novergicus). Samples the homogenized and divided into four groups with; T0 served as control which contains liver homogenate only; T1 which contains liver homogenate only; T1 which contains liver homogenate + 300 µg/dl of FeSO4; and T3 which contains liver homogenate +3000 µg/dl of FeSO4. After treatment, liver Total Oxidant (TO), Total Antioxidant revealed that Fe exposure could significantly increased TO, OSI, and PC level, and decreased TA level in liver cells (P

7. Keywords (2-10)

ey Words: Coal Dust, Iron, Oxidative Stress, Protein Carbonylation

8. Complete manuscript in one file (word)

Iron-Oxidative-Stress.doc

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