

ORIGINAL ARTICLE

Published:
1st June 2015

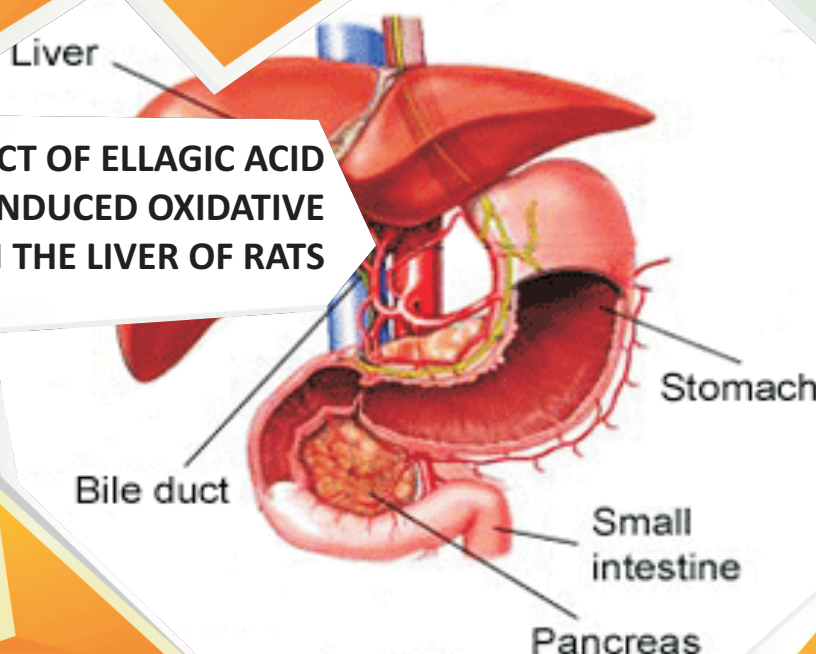
Vol. - V,
Issue - V, June 2015

BENEFICIAL EFFECT OF ELLAGIC ACID
AGAINST IRON INDUCED OXIDATIVE
DAMAGE IN THE LIVER OF RATS

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S. Palani

ABSTRACT

Male wistar rats injected i.p with 30mg Fe / kg (Ferrous sulfate) body weight for 10 days. Show hepatic damage as measured by an increase in renal markers namely aspartate transaminase (AST), alanine transaminase (ALT), alkalinephosphatase (ALP), lactate dehydrogenase (LDH), gammaglutamyl transferase (GGT), bilirubin, urea, creatinine and a significance decrease in creatinine clearance. Plasma thiobarbituric acid – reactive substance and hydro peroxide were significantly elevated where as the levels of non enzymatic antioxidants (reduced glutathione, vitamin E and vitamin C) were significantly decreased in iron treated rats.

Article Indexed in



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Review of the Article:

The present study focuses on Beneficial Effect Of ELLAGIC Acid Against Iron Induced Oxidative Damage In The Liver Of Rats. The introduction builds a logical case and context for the problem statement. The problem statement is clear and well articulated.

Abstract:

The abstract is complete, essential details are presented. The results in the abstract are presented in sufficient and specific detail. The conclusions in the abstract are justified by the information in the abstract and the text. There are no inconsistencies in detail between the abstract and the text.

Reference to the Literature and Documentation:

The literature review is up-to-date. The number of references are appropriate and their selection is judicious. The review of the literature is well integrated.

Research Design:

The research design is defined and clearly described, and is sufficiently detailed to permit the study to be replicated.

Instrumentation, Data Collection:

The measurement instrument is appropriate given the study's variables; the scoring method is clearly defined. The data set is sufficiently described.

Data Analysis and Statistics:

Data analysis procedures are sufficiently described, and are sufficiently detailed. Data analysis procedures conform to the research design; models, or theory drives the data analyses.

Presentation and Documentation:

The text is well written and easy to follow. The vocabulary is appropriate. The content is complete and fully congruent. The data reported are accurate (e.g., numbers add up) and appropriate; tables and figures are used effectively and agree with the text. Reference citations are complete and accurate.

Scientific Conduct:

There are no instances of plagiarism. Ideas and materials of others are correctly attributed.

Overall the study is relevant to the mission of the journal or its audience.

SUMMARY OF ARTICLE

No.		Very High	High	Average	Low	Very Low
1.	Interest of the topic to the readers	✓				
2.	Originally & Novelty of the ideas		✓			
3.	Importance of the proposed ideas		✓			
4.	Timelines	✓				
5.	Sufficient information to support the assertions made & conclusion drawn			✓		
6.	Quality of writing (Organization, Clarity, Accuracy Grammer)		✓			
7.	References & Citation (Up-to-date, Appropriate Sufficient)	✓				

FUTURE RESEARCH SCOPE:

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2. Protein folding, mis folding and disease
3. Regulation of cell death by intracellular serpins
4. Diabetes and renal failure
5. Mechanisms of proteinuria in kidney

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