



SDI Review Form 1.6

Journal Name:	Journal of Pharmaceutical Research International
Manuscript Number:	Ms_JPRI_45923
Title of the Manuscript:	Researching The Effects Of , Ellagic Acid On Depletion Exercise
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

This study is an article about endothelial damage formation in exhaustion exercise and contributing to literature. therefore, our work is unique



SDI Review Form 1.6

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	<p>EDIT THE ABSTRACT TO-</p> <p><u>Introduction:</u> This study was carried out in order to investigate the oxidative stress in rats that are made to perform depletion exercise, effects of oxidative stress if present, and further to analyze the effect of, Ellagic acid supplement against oxidative stress.</p> <p><u>Methods and Materials:</u> The study was carried out on 32 male and adult Spraque - Dawley rats at AKÜ. The experimental animals were equally divided into four groups. Swimming exercises were performed as acute exercises for once and experimental animals were made to swim in groups including two rats following the completion of the study and before decapitation. The rats in the Group 1 (general control group) were not made to swim. At the end of procedures that lasted for four weeks, total oxidant (TOS), total antioxidant (TAS), nitric oxide (NO) and Asymmetric dimethyl Arginine (ADMA), TNF α, INF γ and IL6 plasma and tissue levels was assayed from the blood samples taken from experimental animals.</p> <p><u>Results:</u> NO, IL-6 and TNFα levels were significantly lower in the EA + exercise group than in the exercise group (p <0.05). The plasma and tissue TAS and TOS values of the groups were significantly lower than the total oxidant capacity control group (p <0.05).</p> <p><u>Conclusion:</u> Ellacig acid may have protective effect against damage that may occur during exhaustion exercise.</p>	<p>Abstract corrected again</p> <p>ABSTRACT</p> <p><u>Introduction:</u> The purpose of this study was to investigate whether exhaustion exercise causes endothelial damage and to investigate the effect of ellagic acid on this potential damage.</p> <p><u>Methods and Materials:</u> The study was carried out on 32 male and adult Spraque - Dawley rats at AKÜ. The experimental animals was equally divided into four groups. Swimming exercises will be performed as acute exercises for once and experimental animals are made to swim in groups including two rats following the completion of the study and before the decapitation. At the end of procedures that last for four weeks, total oxidant (TOS), total antioxidant (TAS), nitric oxide (NO) and Asymmetric dimethyl Arginine (ADMA), TNF α, INF γ and IL6 plasma and tissue levels was assayed from the blood samples to be taken from experimental animals with decapitation.</p> <p><u>Results:</u> The data obtained as a result of the studies were evaluated by using SPSS 18.0 statistical program. Endothelial damage markers and cytokine levels were significantly (p<0,05) increased in swimming groups and Ellacig acid significantly (p<0,05) decreased these parameters.</p> <p><u>Conclusion:</u> Ellacig acid may have protective effect against damage that may occur during exhaustion exercise.</p> <p><u>Keywords:</u> Rat, ellagic acid, endothelial damage</p>
Minor REVISION comments	-	



SDI Review Form 1.6

Optional/General comments	-	
----------------------------------	---	--

PART 2:

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Are there ethical issues in this manuscript?	<i><u>(If yes, Kindly please write down the ethical issues here in details)</u></i>	