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Round 1 Status

Revisions have been requested.

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Reviewer's Attachments

No Files

The Anticataract activity of Ethanollic extract of Garcini

Muhammad Ali Faisal (Author)

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Open Access Macedonian Journal of Medical Sciences

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3 of 3 submissions

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7:12 AM 4/16/2020

cacka_h@yahoo.com

Reviewer F:

Material and methods: The goat eye balls used in this study were taken from young and healthy goats. Discribe more about the criteria of **young and healthy goats**, based on the literature (age, weight, etc), and **criteria about mangosteen**

Is the level or grade of cataract of the lenses in all goats the same? Because different levels of cataract such as nuclear or capsular cataract, can allow different result

Figure 3-7 should be explained in one description of the figure, Figure 3 and explained in detail a,b,c,d and e. It will be easier to understand

Recommendation: Revisions Required



[OAMJMS] Editor Decision

2020-05-07 06:09 AM

Muhammad Ali Faisal (Author):

We have reached a decision regarding your submission to Open Access Macedonian Journal of Medical Sciences, "The Anticataract activity of Ethanolic extract of Garcinia Mangostana Linn. Pericarp on glucose induced cataractogenesis in goat lens", Manuscript ID = OJS4792.

Our decision is: Revisions Required

Slavica Hristomanova-Mitkovska, MD, MSc

Deputy Editor-in-Chief, Open Access Macedonian Journal of Medical Sciences, Institute for Human Genetics, Faculty of Medicine in Göttingen, Göttingen, Germany

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An Anticataract activity of Ethanolic extract of Garcinia Mangostana Linn. Pericarp on glucose induced cataractogenesis in goat lens
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Comments for the Editor	alifaisal	2020-03-06 06:02 AM	0	<input type="checkbox"/>

11:21 AM 3/26/2020

Anticataract Activity of Ethanolic Extract of *Garcinia Mangostana* Linn Pericarp on Glucose-induced Cataractogenesis in Goat Lens

Muhammad Ali Faisal^{1,2}, Ika Kustiah Octavianty³, Hidayat Sujuti⁴, Achmad Rudijanto⁵

¹Doctoral Program of Medical Science, Faculty of Medicine, Universitas Brawijaya, Malang, Indonesia; ²Department of Ophthalmology, Faculty of Medicine, Lambung Mangkurat University, Banjarmasin, Indonesia; ³Department of Pathology, Faculty of Medicine, Lambung Mangkurat University, Banjarmasin, Indonesia; ⁴Department of Biochemistry, Faculty of Medicine, Brawijaya University, Malang, Indonesia; ⁵Department of Internal Medicine, Faculty of Medicine, Brawijaya University, Malang, Indonesia

Abstract

BACKGROUND: One of the main causes of blindness for diabetic patients is cataract. The molecular mechanism that may be involved in diabetic cataract include polyol pathway flux, increased formation of advanced glycation end products, osmotic stress, and elevated oxidative stress.

AIM: The aim of the study was to explore the anticataract activity of the ethanol extract from pericarp of *Garcinia mangostana* Linn (GML) in Goat eye lens.

METHODS: Goat eye lenses separated to five groups were incubated in M199 medium, added by 100 U/ml streptomycin and 0.1 mg/ml in a 37°C incubator with 95% O₂ and 5% CO₂ for 120 h. Group I was the normal control. Group II (toxic control) the lenses were added by 30 mM glucose. The lenses in Group III and V nurtured in M199 medium with 30 mM of glucose added by 100, 500, and 1000 µg/ml of GML pericarp extract. Group IV added by 100, 500, and 1000 µg/ml of GML pericarp extract plus 100, 500, and 1000 µg/ml of Carboxymethyllysine (CML), GRP78, DDIT3, active caspase 3, and MDA levels were measured by enzyme-linked immunosorbent assay (ELISA). Comparisons of biochemical parameters were conducted using one-way ANOVA and *post hoc* Tukey test.

Edited by: <https://publons.com/researcher/391987/mirko-spiroski/>

Citation: Faisal MA, Octavianty IK, Sujuti H, Rudijanto A. Anticataract Activity of Ethanolic Extract of *Garcinia Mangostana* Linn Pericarp on Glucose-induced Cataractogenesis in Goat Lens. Open Access Maced J Med Sci. 2020 Feb 05; 8(A): 1-7. <https://doi.org/10.3889/oamjms.2020.4792>

AQ2
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Keywords: ???
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Copyright: © 2020 Muhammad Ali Faisal, Ika Kustiah Octavianty, Hidayat Sujuti, Achmad Rudijanto
Funding: This study was supported by the Cairo University Teaching Hospitals
Competing Interests: The authors have declared that no competing interests exist



[OAMJMS] Editor Decision

2020-05-18 03:51 AM

Muhammad Ali Faisal (Author):

We have reached a decision regarding your submission to Open Access Macedonian Journal of Medical Sciences, "The Anticataract activity of Ethanollic extract of Garcinia Mangostana Linn. Pericarp on glucose induced cataractogenesis in goat lens", Manuscript ID = OJS4792.

Our decision is to:

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