

# Effects of diatomaceous earth silica on postprandial hypertriglyceridemia and fat digestibility

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## INTRODUCTION

Postprandial hyperlipidemia is an important risk factor for atherosclerosis and cardiovascular disease.

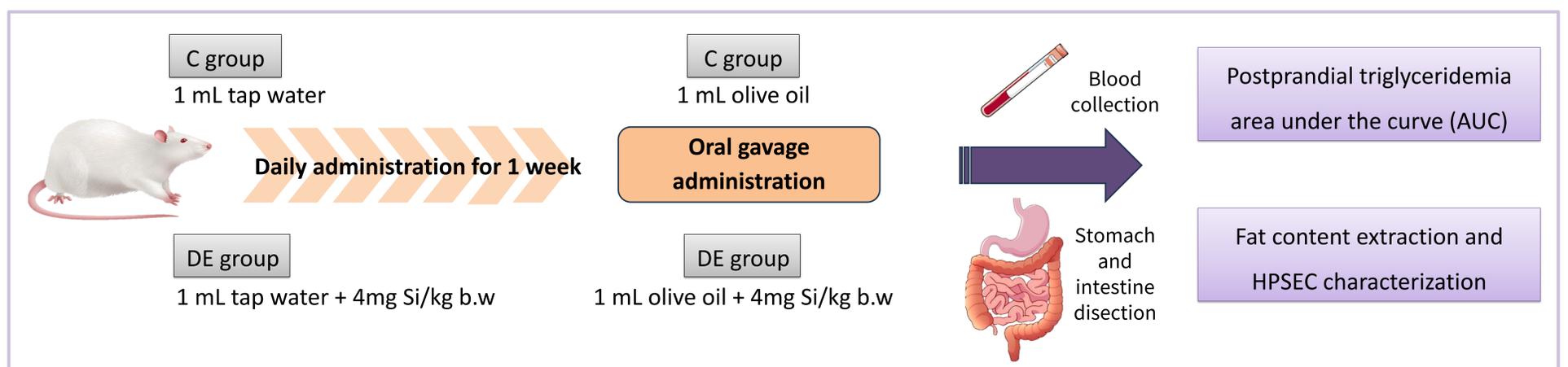
Silicon (Si) intake has been shown to reduce postprandial hyperlipidemia.

Diatomaceous earth (DE) is a highly concentrated source of silicon dioxide. Its use as a Si dietary supplement could have beneficial lipid-lowering effects.

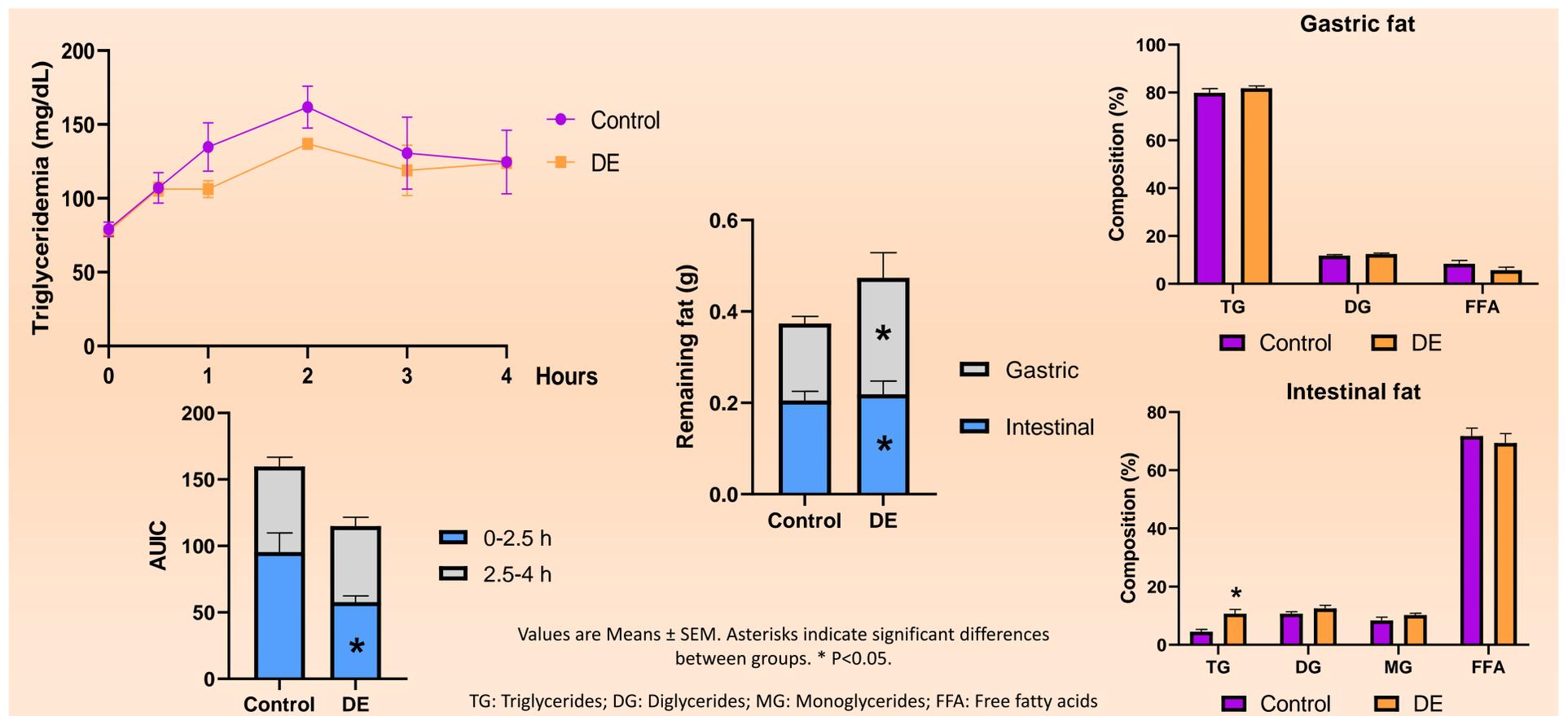
## OBJECTIVES

The objectives were to investigate the antihyperlipidemic effect of DE on postprandial triglyceridemia and fat digestibility.

## EXPERIMENTAL DESIGN



## RESULTS



## CONCLUSION

Dietary supplementation with diatomaceous earth silica could be a powerful tool in the treatment of postprandial hypertriglyceridemia by reducing fat digestion and absorption.

## ACKNOWLEDGE

Diatomaceous earth was provided by Vitality Gesf S.L

Funding: Art. 60 UCM number 88-2022-A-2022



The 9th International Electronic Conference on Medicinal Chemistry

01-30 November 2023 | Online

