

Raw Versus Cooked Ginger Extracts Effect on Parenchymal Element of Parotid Gland of Streptozotocin Induced Diabetic Rats

Thesis

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

(وَيُسْقَوْنَ فِيهَا كَأْسًا كَانَتْ مِرْزَاقُهَا زَنْجَبِيلًا)

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Dedication

I dedicate my work to my father and my family and my sons yousef ,Mohamed and Mera.

A special feeling of gratitude to my loving husband, whose words of encouragement and push for tenacity ring in my ears, have never left my side .

I also dedicate this to my husband's family and special thanks to his mother and brother Mohamed for their support through my master trip. I will always appreciate all they have done,

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List of Abbreviations

Abbreviation	Meaning
ANOVA	Analysis of Variance
AD	Areas of degeneration
BV	Blood vessel
B.C	Before Christ's birth
CG	Control group
CGTG	Cooked ginger treated group
COX-2	Cyclo-oxygenase-2
CRP	C-reactive protin
C.T	Connective tissue
D	Desquamated cells
DAB	Diaminobenzidine
DM	Diabetes Mellitus
DNA	Deoxyribonucleic Acid
DUG	Diabetic untreated group
ECM	Extracellular matrix
EX	Excretory duct
Gm	Gram
H	Hyalanized connective tissue
H&E	Hematoxylin and Eosin
ICD	Intercalated duct
Il1	Interleukin 1
Il6	Interleukin 6
Il8	Interleukin 8
IP	Intraperitoneally
IPM SPSS	American multinational technologyStatistical Package for the Social Sciences
LT	leukotriene

NSAIDS	Non-steroidal anti-inflammatory drugs
PBS	Phosphate buffer saline
PG	Parotid gland
pH	potential of hydrogen
RGTG	Raw ginger treated group
S	serous acini
SD	striated duct
STZ	Streptozotocin
T1DM	Type1 diabetes mellitus
T2DM	Type2 diabetes mellitus
TNF α	Tumer necrosis factor alphag
WHO	World Health Organization

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