

Effect of Green Tea Versus Black Seed on Methotrexate Induced Cytotoxicity in Oral Mucosa and Submandibular Salivary Gland of Albino Rats

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Thanks **ALLAH** for giving me strength and patience to fulfill this
job

May You (**ALLAH**) accept it from me and consider it good and
useful

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List of Abbreviations

CMV: Cytomegallo Virus.
CNS: Central Nervous System.
COX-2:Cyclooxygenase-2 enzyme.
COXs: Cyclooxygenases enzymes.
DHFR: Dihydrofolate Reductase.
DNA: Deoxyribonucleic acid.
DAB: Diaminobenzidine.
DPX: Destyrene Plasticizer Xylene.
EBV: Epstein Barr Virus.
EC: Epicatechin .
ECG: Epicatechin Gallate .
EGC: Epigallocatechin.
EGCG : Epigallocatechin Gallate.
FPGS: Folypolyglutamate Synthase.
GC: Gallocatechin.
GCA: Giant Cell Arteritis.
GCG: Gallocatechin Gallate.
GCT: Granular Convolute Tubules.
GIT: Gastrointestinal Tract .
HIV: Human Immunodeficiency Virus .
HSV: Herpes Simplex Virus.
IC: Intercalated Ducts.
Ig A : Immunoglobulin A.
Ig G: Immunoglobulin G.
Ig M: Immunoglobulin M.
IL-1b:Interleukin-1b.

1L-6: Interleukin-6.

IL-8 :Interleukin-8.

MAF: Mean Area Fraction.

MTX: Methotrexate.

MTX-PGs: Methotrexate Polyglutamates.

NADPH: Nicotineamide Adenine Dinucleotide
Phosphate (reduced form).

NF_κB: Nuclear Factor Kappa B.

NK: Natural Killer cells.

NSAID: Non Steroidal Anti-inflammatory Drug.

PAS: Periodic Acid Schiff.

PBS: Phosphate Buffer Solution.

PGs: Prostaglandins.

RNA: Ribonucleic Acid

ROS: Reactive Oxygen Species.

S-Ig A : Secretory Immunoglobulin A.

SD: Striated Ducts.

TQ: Thymoquinone.

UV: Ultraviolet.

TNF: Tumor Necrosis Factor.

TNF- α: Tumor Necrosis Factor alpha.

VZV: Varicella Zoster Virus.

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