

**ESTIMATION OF SERUM SELENIUM LEVEL IN A SAMPLE OF
EGYPTIAN PATIENTS WITH ALOPECIA AREATA**

Thesis
Submitted for Fulfillment of Masters Degree in
Dermatology and Andrology

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List of Abbreviations

AA: Alopecia areata.

ALT: alanine amino transferase.

AOS: antioxidant system.

APECED: autoimmune polyendocrinopathy- candidiasis-ectodermal dystrophy syndrome.

AT: Alopecia totalis.

AU: Alopecia universalis.

CGRP: calcitonin gene-related peptide.

GPx: glutathione peroxidase.

HLA: Human leukocytic antigen.

HSe: hydrogen selenide.

IDDM: insulin dependant diabetes mellitus.

IGF-1: insulin like growth factor-1.

IL: Interleukin.

IL-1RA: Interleukin 1 receptor antagonist.

INF: interferon.

MHC: Major histocompatibility complex.

NK: natural killer.

OST: oxidative stress.

ROS: reactive oxygen species.

SALT: Severity of Alopecia Tool.

SCID: severe combined immunodeficiency mice.

Se: selenium.

Se-Cys: selenocysteine.

Se-Met: selenomethionine.

SP: substance P.

TGF: transforming growth factor.

TNF: Tumour necrosis factor.

TSH: Thyroid stimulating hormone.

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