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

Thesis
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Dermatology and Andrology

By

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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.

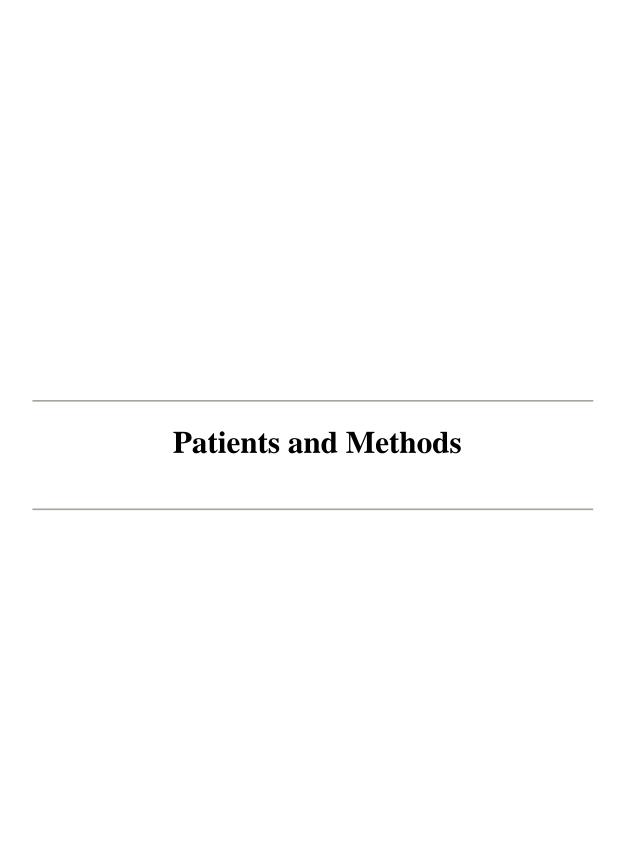
**TGF**: transforming growth factor.

**TNF**: Tumour necrosis factor.

**TSH**: Thyroid stimulating hormone.

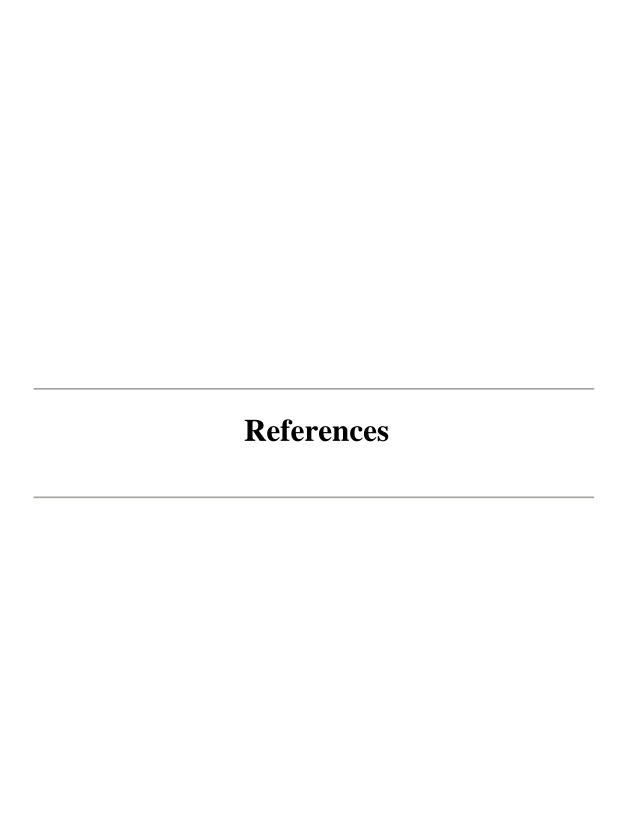
# Introduction and Aim of Work













# Recommendations and Conclusion