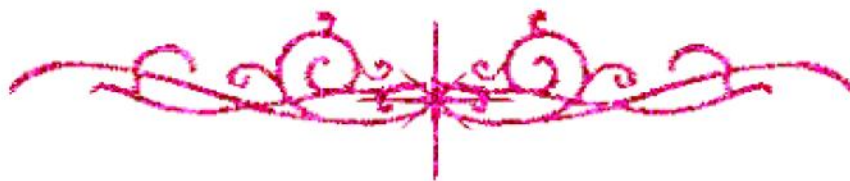


بسم الله الرحمن الرحيم





شبكة المعلومات الجامعية التوثيق الالكتروني والميكرو فيلم



جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
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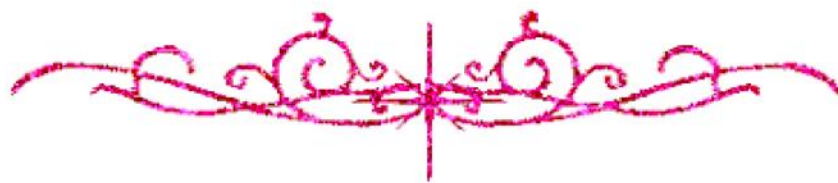


بعض الوثائق الأصلية تالفة





بالرسالة صفحات
لم ترد بالأصل





Trichoscopy (Hair and Scalp Videodermoscopy) in the Healthy Egyptians Female. Norms for Measurable Parameters

Thesis

*Submitted for Partial Fulfillment of Master Degree in
Dermatology and Venereology*

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2020



First and foremost thanks to **ALLAH**, the most merciful

*I would like to express my deepest appreciation and gratitude to **Pro. Dr. Hoda Ahmed Moneib** Professor of Dermatology, Venereology, Faculty of Medicine, Ain Shams University for the help in my choose of this important and up-to-date subject, and for her continuous and unconditioned guidance and support.*

*I would also like to thank **Dr. Marwa SalahEldin Zaki** Assistant Professor of Dermatology, Venereology and Andrology, Faculty of Medicine, Ain Shams University for her patience and meticulous remarks which have helped me keep this essay structured, organized and concise.*

Last but not least my sincere thanks and appreciation to all volunteer who participated in this study.

Suzan Abdulkader Ahmed

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قَالَ

سُبْحَانَكَ لَا عِلْمَ لَنَا
إِلَّا مَا عَلَّمْتَنَا إِنَّكَ أَنْتَ
الْعَلِيمُ الْعَظِيمُ

صدق الله العظيم

سورة البقرة الآية: ٣٢

List of Contents

Title	Page No.
List of Tables	i
List of Figures.....	ii
List of Abbreviations	iv
Introduction.....	1
Aim of the Work.....	3
Review of Literature	
☞ Normal Hair (Anatomy and Physiology).....	4
☞ Trichoscopy (Hair and Scalp Dermoscopy)	29
Patients and Methods.....	51
Results	56
Discussion.....	76
Conclusion	86
Recommendations.....	86
Summary	87
References	89
Arabic Summary.....	ʼ

List of Tables

Table No.	Title	Page No.
Table (1):	Scalp hair density variation with age	5
Table (2):	Modulators of hair –Follicle Cycling in Humans	9
Table (3):	Wave Pattern and Cross-Section.....	20
Table (4):	Anagen substages	25
Table (5):	Hair shafts	34
Table (6):	Distribution of sociodemographic data (n=90)	56
Table (7):	Mean and range of evaluated Trichoscopy parameter values (n=90)	57
Table (8):	Represents all the normal calculated values by trichoscopy in the study.	69

List of Figures

Fig. No.	Title	Page No.
Figure (1):	Hair biology-hair follicle embryogenesis overview.....	7
Figure (2):	Hair structure	13
Figure (3):	Layers of inner and outer root sheath	16
Figure (4):	Wave Pattern and Cross Section	20
Figure (5):	Hair cycle.....	28
Figure (6):	Hand-held dermoscopes	32
Figure (7):	Videodermoscopes	32
Figure (8):	Normal scalp & hair (uniform shaft and color).....	33
Figure (9):	Black dots.....	35
Figure (10):	Yellow dots.....	36
Figure (11):	White dots.	36
Figure (12):	Red dots.	37
Figure (13):	Trichoscopic findings of alopecia areata with presence of exclamation mark hairs	40
Figure (14):	Androgenetic alopecia.	41
Figure (15):	Discoid lupus erythematosus.....	45
Figure (16):	Monilethrix	46
Figure (17):	Pili torti.....	47
Figure (18):	Trichorrexis nodosa.....	48
Figure (19):	Average number of hairs [N/cm ²].....	59

List of Figures (Cont...)

Fig. No.	Title	Page No.
Figure (20):	Average hair shaft thickness in frontal, occipital and temporal areas.....	60
Figure (21):	Percentage of thin, medium-sized and thick hairs in frontal, occipital and temporal areas. ...	62
Figure (22):	Percentage distribution of follicular units with one, two and three hairs in frontal, occipital and temporal areas.....	64
Figure (23):	Empty hair follicles/yellow dots [N/cm ²].	65
Figure (24):	Cumulative hair thickness [mm/cm ²].	66
Figure (25):	Number of follicular units [N/Cm ²].	67
Figure (26):	Derived Sinclair scale.....	68

List of Abbreviations

Abb.	Full term
AA	Alopecia areata
ACTH	Adernocorticotropic hormone
AGA	Androgenic alopecia
BMP	Bone morphogenetic protein
CTA	Congenital triangular alopecia
DLE	Discoïd lupus erythematosus
DP	Dermal papilla
FFA	Frontal fibrosing alopecia
FGF	Fibroblast growth factors
HF	Hair follicle
HGF	Hepatic growth factor
IGF	Insulin growth factor
IP	Immune privileged
IRS	Inner root sheath
KAP	Keratin- associated proteins
LPP	Lichen planopilaris
MHC	Major histocompatibility complex
ORS	Outer root sheath
SHH	Sonic hedgehog
TE	Telogen effuvium
TGF	Transforming growth factor
TT	Trichotillomania
UV	Ultraviolet
VEGF	Vascular endothelial growth factor
WNT	Wingless-type integration site

INTRODUCTION

In humans, hair has various functions such as protection against external factors, sebum, apocrine sweat and pheromones production and thermoregulation. The hair also plays important roles for the individual's social and sexual interaction, and factor of beauty especially for females (*Erdoğan, 2017*).

Scalp dermoscopy or 'trichoscopy' represents a valuable, noninvasive technique for the evaluation of patients with hair loss that allows for magnified visualization of the hair and scalp skin. It may be performed with a manual dermoscope ($\times 10$ magnification) or a videodermoscope (up to $\times 1,000$ magnification). In particular, trichoscopy enhances the diagnosis of androgenetic alopecia (AGA), alopecia areata (AA), telogen effluvium (TE), trichotillomania (TTM), congenital triangular alopecia (CTA), scarring alopecia, tinea capitis and hair shaft disorders. This method is simple, quick and easy to perform, reduces the need for scalp biopsy, is well accepted by patients, and is useful for monitoring treatment, determining severity of the disease and follow - up. It is a simple, minimally invasive and rapid technique for measuring hair follicle activity (*Lacarrubba et al., 2015; Kiber, 2017*).

In order to recognize or correctly interpret the significance of findings, normal trichoscopic patterns in individuals with normal hair and scalp of different races should be established

(Romero and Grimalt, 2015). Documenting normal values can help better identify the presence of disease and provide a useful baseline or target when researching and treating hair loss in different populations *(Birnbaum et al., 2018)*.

To the best of our knowledge, norms for measurable parameters of hair in Egyptian adult females have not been documented in the literature.