

Non Thyroidal Illness Syndrome And Outcome in Critically Ill Elderly

*Thesis
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Master Geriatric Medicine and Gerontology*

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متلازمة اعتلال الغدة الدرقية فى مرضى الحالات الحرجة المسنين وتأثيرها على حالة المرضى عند الخروج

رسالة

توطئة للحصول على درجة الماجستير فى طب و صحة المسنين و علوم الاعمار

مقدمة من

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قَالَ

لَسْبَحَانَكَ لَا يَعْلَمُ لَنَا
إِلَّا مَا عَلَّمْتَنَا إِنَّكَ أَنْتَ
الْعَلِيمُ الْعَظِيمُ

صدق الله العظيم

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List of Abbreviations

AgRP : Agouti-related protein

Alpha-MSH: Alpha-melanocyte-stimulating hormone

APACHEII: Acute Physiology and Chronic Health Evaluation II

ARC : Arcuate nucleus

CDC : Centers for Disease Control and Prevention

COPD : Chronic obstructive pulmonary disease

CRP : C-reactive protein

CVS : Cerebrovascular stroke

ELISA: Enzyme linked immunosorbent assay

ESRD : End-stage renal disease

ESS : Euthyroid sick syndrome

FFA : Free fatty acids

FT4 : Free T4

FTI : Free T4 index

GFR : Glomerular filtration rate

GHRP : Growth hormone releasing peptide

HPT-axis: Hypothalamic-pituitary-thyroid axis

hs-CRP: high sensitivity- CRP

ICU : Intensive care unit

IL : Interleukin

MCT : Monocarboxylate transporter
NEFA : nonesterified fatty acids
NPY : Neuropeptide Y
NTIS : Nonthyroidal illness syndrome
NYHA: New York Heart Association
POMC: Proopiomelanocortin
PVN : Paraventricular nucleus
rT3 : Reverse T3
T3 : Triiodothyronine
T4 : Thyroxine
TBG : Thyroxine-binding globulin
TBPA : Thyroxine-binding prealbumin
TNF α : Tumor necrosis factor-alpha
TR : Nuclear thyroid hormone receptors
TRH : Thyrotropin-releasing hormone
TSH : Thyroid-stimulating hormone
TTR : Transthyretin

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Introduction





Aim of the Work





Chapter (1)

**Thyroid Axis Function and
Dysfunction in Critical
Illness**





Chapter (2)

Biomarkers in the Critically Ill Patient





Review of Literature





Subjects and Methods

