

Vitamin D Status and its therapeutic role in Children with Idiopathic Nephrotic Syndrome

Thesis
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By

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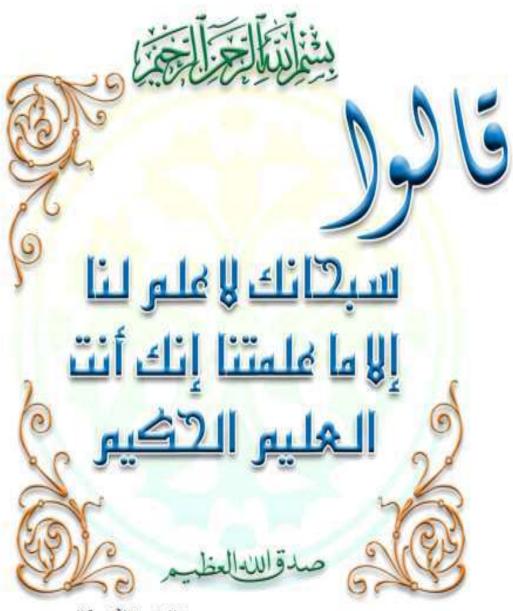
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List of Abbreviations

Abb. Full Term

1, 25 (OH)₂ D_3 : 1, 25-Dihydroxyvitamin D_3 **25(OH)** D_3 : 25-hydroxyvitamin D_3

ACEIs : Angiotensin converting enzyme inhibitors

Ag : Antigen

ALP : Alkaline phosphatase
APCs : Antigen presenting cells
ARBs : Angiotensin receptor blockers

CBC : Complete blood count CKD : Chronic kidney disease

CKD5 : Chronic kidney disease stage 5

CNIs : Calcineurin inhibitors

Cs A : Cyclosporine

CXCL16 : C-X-C motif chemokine ligand 16

DCs : Dendritic cells.

DMP : Diffuse mesangial proliferation

ELISAs : Enzyme-linked immunosorbent assays

FOXP3 : Forkhead box protein 3

FSGS : Focal segmental glomerulosclerosis

GM-CSF : Granulocyte-macrophage colony-stimulating factor **KDIGO** : Kidney Disease, Improving Global Outcomes

HMCsHuman mesangial cellsHMG CoAHydroxymethylglutaryl CoA

IFN-γInterferon- gammaIL-1Interleukin-1

IL-13Rα2 : Interleukin 13 receptor alpha 2
 IL-4Rα : Interleukin 4 receptor alpha
 INOS : Inducible nitric oxide synthase
 INS : Idiopathic nephrotic syndrome

IOM : Institute of Medicine

IPEX : Immune dysregulation, polyendocrinopathy,

enteropathy and X-linked syndrome

IPNA : International Pediatric Nephrology Association

IU : International unit

JC virus : John Cunningham virus

MCNS : Minimal change nephrotic syndrome

MHC II : Major histocompatibilityMMF : Mycophenolate Mofetil

Abb. Full Term

MRNA : Messenger RNA Mφ : Macrophage

NS : Nephrotic syndrome

OxLDL : Oxidized low density lipoprotein

PMNs : Polymorphonuclear PTH : Parathyroid hormone

RANKL : Receptor activator of nuclear factor-kB ligand

RDA : Recommended daily allowance RRT : Renal replacement therapy

RTX : Rituximab

SCTLA-4
 Soluble cytotoxic T-lymphocyte antigen 4
 SDNS
 Steroid-dependant nephrotic syndrome
 SRNS
 Steroid-resistant nephrotic syndrome
 SSNS
 Steroid-sensitive nephrotic syndrome

TCR : T cell receptor TG : Triglyceride

TGF B : Tissue growth factor beta

TLR : Toll-like-receptor
TNF : Tumor necrosis factor
Treg : T regulatory cell
UV : Ultraviolet

VDBP : Vitamin D binding protein

VDR : Vitamin D receptor

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