

**Bacterial & Fungal Infections Associated with
Chronic Hemodialysis and
Estimation of Certain Related Cytokines**

Thesis

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Of M.D. in Medical Microbiology &
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LIST OF ABRREVIATIONS

AAMI	Association for Advancement of Medical Instrumentation
ACTH	Adrenocorticotrophin hormone
ALT	Alanine amino-transferase
Anti-HCV	Hepatitis C virus antibodies
AVF	Arteriovenous fistula
AVG	Arteriovenous graft
BUN	Blood urea nitrogen
CAVHD	Continuous arteriovenous hemodialysis
CD	Cluster of differentiation
CDC	Centers of infectious diseases control
Cfu	Colony forming unit
CNS	Coagulase negative staphylococci
CRB	Catheter related bacteraemia
CRF	Chronic renal failure
CRH	Corticotrophin releasing hormone
CSF	Colony stimulating factor
CTIN	Chronic tubulointerstitial nephropathy
CVC	Central venous catheter
CVVHD	Continuous venovenous hemodialysis
EIA	Enzyme Linked Immunoassay
EPA	Environmental Protecting Agency
EPO	Erythropoietin
ESRD	End stage renal disease

FDA	US Food and Drug Administration
G-CSF	Granulocyte colony stimulating factor
GF	Growth factor
GFR	Glomerular filtration rate
GISA	Glycopeptide intermediate resistant <i>staph.aureus</i>
GM-CSF	Granulocyte macrophage colony stimulating factor
GRE	Glycopeptide resistant <i>Enterococci</i>
HBcAg	Hepatitis B core antigen
HBeAg	Hepatitis B e antigen
HBsAg	Hepatitis B surface antigen
HBV	Hepatitis B virus
HCFA	Health care Financing Administration
HCV	Hepatitis C virus
HDV	Hepatitis D virus
HGV	Hepatitis G virus
HIV	Human immunodeficiency virus
HMWK	High molecular weight kininogen
HPAA	Hypothalamus pituitary adrenal axis
HSFs	Hepatocyte stimulating factor
ICE	IL-1 converting enzyme
IcIL-1raI	Intacellular IL-1 receptor agonist type I
IcIL-1raII	Intacellular IL-1 receptor agonist type II
ICU	Intensive care unit
IL	Interleukin

IL-1ra	IL-1 receptor agonist
IL-1RI	IL-1 receptor type I
IL-1RII	IL-1 receptor type II
IL-1RIII (IL-1AcP)	IL-1 receptor type III (IL-1 accessory protein)
INF	Interferon
LAK	Lymphokine activated killer cells
LPS	Lipopolysaccharide
LT	Lymphotoxin
MCSF	Monocyte colony stimulating factor
MHC	Major Histocompatibility Complex
MPN	Most probable number
MRSA	Methicillin resistant <i>Staph.aureus</i>
NF-κB	Nuclear factor kappa enhancer binding protein
NGF	Nerve growth factor
NIH	National Institute of Health
NK	Natural killer cells
NNIS	National Nosocomial Infections Surveillance
OD	Optical density
PAF	Platelet activating factor
PAN	Polyacrylonitrilic membrane
PMMA	Polymethyl methoacrylate membrane
PMNL	Polymorph nuclear leucocytes
PS	Polysulphone membrane
RO	Reverse osmosis

RRT	Renal replacement therapy
RT-PCR	Reverse transcriptase polymerase chain reaction
S.aureus	<i>Staphylococcus aureus</i>
S.epidermidis	<i>Staphylococcus epidermidis</i>
SCF	Stem cell factor
SCOPE	Surveillance and Control of Pathogens of Epidemiological importance
SDA	Sabaraud's dextrose agar
SIL-1ra	Soluble IL-1 receptor agonist
TACE	TNF- α converting enzyme
TGF-β	Transforming growth factor- β
TGFB	Transforming growth factor
Th1	T helper cells 1
Th2	T helper cells 2
TNF-α	Tumor necrosis factor- α
TTV	Transfusion transmitted virus
US	United States
VA	Vascular access
VAI	Vascular access infection
VISA	Vancomycin intermediate resistant Staph.aureus
VRE	Vancomycin resistant Enterococci

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