Contents

List of Abbreviations

ACEI	Angiotensin converting enzyme inhibitors
ADQI	Acute dialysis quality initiative
AKI	Acute kidney injury
AKIN	Acute kidney injury network
ARBS	aldesterone receptor blockers
ARF	Acute renal failure
ATN	Acute tubular necrosis
AUC-ROC	Area under the curve- Reciever Operating Characteristic Curve
CIN	Contrast induced nephropathy
CKD	Chronic kidney disease
CNI	Calcineurin inhibitors
CRRT	Continous renal replacement therapy
CT	Computed tomography
CVVH	Continous veno venous hemofilteration
DIC	Disseminated intravascular coagulopathy
DSA	Digital substraction angiography
eCCl	Estimated creatinine clearance
eGFR	Estimated glomerular filteration rate
FABP	Fatty acid binding proteins
GFR	Glomerular filteration rate
GIT	Gastrointestinal tract
HOCM	High osmolar contrast media
IA	Intraarterial
ICU	Intensive care unit
IHD	Intermittent hemodialysis
IL	interleukin
IOCM	Intermediate osmolar contrast media

IV	Intravenous
KDIGO	Kidney Disease Improving Global Outcomes
KIM-1	Kidney injury molecule -1
L-FABP	Liver type fatty acid binding proteins
LOCM	Low osmolar contrast media
LVH	Left ventricular hypertrophy
MAP	Mean arterial pressure
MDRD	Modification of diet in renal disease
NAC	N- acetyl cystiene
NGAL	Neutrophil gelatinase-associated lipocalin
NPV	Negative predictive value
NS	Normal saline
PCI	Percutaneous coronary intervention
PD	Peritoneal dialysis
PICARD	The program to improve care in acute renal disease
PPV	Positive predictive value
PRA	Prerenal azotemia
RBF	Renal blood flow
RNA	Ribonucleic acid
RRT	Renal replacement therapy
SIADH	Syndrome of inappropriate secretion of antidiuretic hormone
SLED	Sustained low-efficiency dialysis
uIL	Urinary interleukin
uKIM-1	Urinary Kidney injury molecule -1
uL-FABP	Urinary liver type fatty acids binding proteins
uNGAL	Urinary Neutrophil gelatinase-associated lipocalin
VA/NIH	Veterans Affairs/National institute of health

List of Figures

List of Tables

List of Graphs

Introduction

Aim of the Work

Review of Literature

Chapter (1)

Acute Kidney Injury

Chapter (2)

Contrast-Induced Nephropathy

Chapter (3)

Biological Markers in AKI

Chapter (4)

NGAL

Patients and Methods