



شبكة المعلومات الجامعية  
التوثيق الإلكتروني والميكرو فيلم

# بسم الله الرحمن الرحيم



**HANAA ALY**



شبكة المعلومات الجامعية  
التوثيق الإلكتروني والميكروفيلم



# شبكة المعلومات الجامعية التوثيق الإلكتروني والميكروفيلم



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# جامعة عين شمس

## التوثيق الإلكتروني والميكروفيلم

### قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها  
علي هذه الأقراص المدمجة قد أعدت دون أية تغيرات



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تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



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# **Change in Serum Chloride and Its Relation to Acute Kidney Injury in Septic Shock Patients**

*Thesis*

*Submitted in partial fulfillment for Master Degree in Anesthesia, Intensive  
Care and pain Management*

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**2021**



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قالوا

سبحانك لا علم لنا  
إلا ما علمتنا إنك أنت  
العليم العظيم

صدق الله العظيم



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**Ayman El Shishtawy**

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## List of Abbreviations

Abb.	Full meaning
<b>AKI</b>	Acute kidney injury
<b>AKIN</b>	Acute Kidney Injury Network
<b>CKD</b>	Chronic kidney disease
<b>Cl</b>	Chloride
<b>DBP</b>	Diastolic blood pressure
<b>ER</b>	Endoplasmic reticulum
<b>FENa</b>	Fractional excretion of sodium
<b>GFR</b>	Glomerular filtration rate
<b>ICU</b>	Intensive care unit
<b>iNOS</b>	Inducible nitric oxide synthase
<b>KDIGO</b>	Kidney Disease Improving Global Outcomes
<b>LOS</b>	Length of stay
<b>LPS</b>	Lipopolysaccharide
<b>MAM</b>	Mitochondrial-ER-associated membrane
<b>MAP</b>	Mean arterial pressure
<b>MRSA</b>	Methicillin resistant Staphylococcus aureus
<b>PCR</b>	Polymerase chain reaction
<b>PLA2</b>	Phospholipase A2
<b>qSOFA</b>	Quick sequential organ failure assessment



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***List of Abbreviations***

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<b>RAAS</b>	Renin-angiotensin-aldosterone system
<b>RCT</b>	Randomized controlled trial
<b>RIFLE</b>	risk, injury, failure, loss of kidney function, and end-stage kidney disease
<b>ROS</b>	Reactive oxygen species
<b>RRT</b>	Renal replacement therapy
<b>RTA</b>	Renal tubular acidosis
<b>SA-AKI</b>	Sepsis-associated acute kidney injury
<b>SBP</b>	Systolic blood pressure
<b>SID</b>	So-called strong ions
<b>SIRS</b>	Systemic inflammatory response syndrome
<b>SOAP</b>	Sepsis Occurrence in Acutely Ill Patients
<b>SOFA</b>	Sequential organ failure assessment
<b>SSC</b>	SurvivingSepsis Campaign
<b>TGF-<math>\beta</math></b>	Transforming growth factor beta
<b>TLR</b>	Toll-like receptors
<b>UPR</b>	Unfolded protein response
<b>VAP</b>	Ventilator associated pneumonia
<b>VEGF</b>	Vascular endothelial growth factor

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