

# Acute Kidney Injury After Computed Tomography A Meta Analysis

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### Acute Kidney Injury After Computed

#### **Acute Kidney Injury After Computed Tomography: A Meta ...**

The incidence of postcontrast acute kidney injury is imprecise, with one meta-analysis reporting occurrences ranging from 1% to greater than 20%. Possible explanations include heterogeneous definitions of postcontrast acute kidney injury, differences in rates of postcontrast acute kidney injury after procedures versus CT

#### **Risk of Acute Kidney Injury After Intravenous Contrast ...**

one site, the frequency of later acute kidney injury in 7,201 patients undergoing contrast-enhanced CT, 5,499 undergoing unenhanced CT, and 5,234 with no imaging did not differ (102% to 109%) How this is relevant to clinical practice This study suggests fear of triggering acute kidney injury after intravenous contrast during ED CT is

#### **Acute Kidney Injury (AKI)**

Features of acute kidney injury consist of rapid (over hours to days) and usually reversible decrease in kidney function, commonly in the setting of surgery, severe infection, injury, or drug-induced kidney toxicity Serum creatinine levels and estimated GFR may not reliably assess renal function in the setting of acute kidney injury

#### **Acute Kidney Injury After Computed Tomography A Meta ...**

Acute Kidney Injury After Computed Tomography: A Meta-analysis Study objective: Computed tomography (CT) is an important imaging modality used in the diagnosis of a variety of disorders Imaging quality may be improved if intravenous contrast is added, but there is a concern for potential

renal injury Acute Kidney Injury After Computed

### **An unusual case of acute kidney injury after colonoscopy**

An unusual case of acute kidney injury after colonoscopy Nobuhiro Hashimoto<sup>1</sup>, Isao Matsui<sup>1</sup>, Tomoko Namba<sup>1</sup>, Tatsufumi Oka<sup>1</sup>, Daisuke Mori<sup>1</sup>, Yusuke Sakaguchi<sup>2</sup>, Masayuki Mizui<sup>1</sup>, Takayuki Hamano<sup>2</sup>, Yoshitsugu Takabatake<sup>1</sup> and Yoshitaka Isaka<sup>1</sup> <sup>1</sup>Department of Nephrology, Osaka University Graduate School of Medicine, Osaka, Japan; and <sup>2</sup>Department of Comprehensive Kidney

### **Efficacy and Safety of a Balanced Salt Solution Versus a 0 ...**

Contrast-induced acute kidney injury (CI-AKI) is one of the most common iatrogenic kidney injuries<sup>1</sup> Moreover, CI-AKI has been associated with increased risk for mortality, longer hospital stays, and end-stage kidney disease in patients, particularly those with chronic kidney disease<sup>1-4</sup> Therefore, early diagnosis or prevention of

### **Contrast-Induced Acute Kidney Injury: Specialty-Specific ...**

occurs after exposure to iodinated contrast media, a disorder that has been more commonly known as contrast-induced nephropathy (CIN) The Acute Kidney Injury Network, recognizing the need for improving outcomes associated with the various forms of AKI, recently proposed using the following standardized diagnostic defini-

### **Risk factors for acute kidney injury after radical ...**

an increased risk of postoperative acute kidney injury (AKI) and subsequent chronic kidney disease (CKD) To our knowledge, little is known about postoperative AKI after radical nephrectomy with IVC thrombectomy The objectives of the present study are to estimate the incidence of postoperative AKI after radical nephrectomy

### **Renal Blood Flow Redistribution During Acute Kidney Injury**

IMAGING TEACHING CASE Renal Blood Flow Redistribution During Acute Kidney Injury Filippo Mangione, MD,<sup>1</sup> Valeria Calcaterra, MD,<sup>2</sup> Ciro Esposito, MD, PhD,<sup>1,3</sup> and Antonio Dal Canton, MD<sup>1,3</sup> We describe a case of acute kidney injury with decreased kidney perfusion in which contrast-

### **KDIGO Clinical Practice Guideline for Acute Kidney Injury**

KDIGO Clinical Practice Guideline for Acute Kidney Injury KI\_SuppCover\_21.indd 1 2/7/12 12:32 PM KDIGO Clinical Practice Guideline for Acute Kidney Injury iv Tables and Figures 1 Notice 2 Work Group Membership 3 KDIGO Board Members CI-AKI Contrast-induced acute kidney injury 10 & AKI AKI

### **Is the Presence of a Solitary Kidney an Independent Risk ...**

is the Presence of a solitary Kidney an independent risk Factor for acute Kidney injury after contrast-enhanced cT?<sup>1</sup> This copy is for personal use only To order printed copies, contact reprints@rsna.org

### **PROTOCOL Open Access Does intravenous contrast-enhanced ...**

Background: Contrast-induced acute kidney injury is a common cause of iatrogenic acute kidney injury (AKI) Most of the published estimates of AKI after contrast use originate from the cardiac catheterization literature despite contrast-enhanced computed tomography (CT) scans being the more common setting for contrast use This

### **Acute Severe Hypertension**

- Acute severe hypertension that is accompanied by acute target-organ injury (hypertensive emergency) is associated with substantial morbidity and in-hospital mortality, thus requiring immediate treatment in an intensive care unit
- Acute severe hypertension without acute target-organ damage

(hypertensive urgency) is not associated

### **The Extent of Aortic Atherosclerosis Predicts the ...**

saline was continued for 12 hours after the procedure Metformin was commenced again 48 hours after TAVR Acute Kidney Injury According to the definition of the Valve Academic Research Consortium-2, the following AKI stages were Figure 1 Quantitative measurements of aorta atheroma volume on multislice computed tomography

### **Diuretics associated acute kidney injury: clinical and ...**

Acute kidney injury, clinical nephrology, diuretics, pathological History Received 14 January 2014 Revised 1 March 2014 Accepted 11 April 2014 Published online 18 June 2014 Introduction Acute kidney injury (AKI) is a common complication/disease in hospitalized patients, which significantly increase the mortality and morbidity of these patients

### **Acute Kidney Injury**

1 Contrast-induced acute kidney injury (CI-AKI) occurs in  $\approx 7\%$  of all patients and in  $>25\%$  of high risk patients undergoing coronary angiography1 The definition of CI-AKI by relative or absolute changes in serum creatinine has

### **Neutrophil gelatinase-associated lipocalin (NGAL): a ...**

L) within 48-72h after contrast administration, in the absence of other obvious causes1-3 However, other definitions are also in use Indeed, the Acute Kidney Injury Network proposed using the same standardized definition in all cases of AKI: increase in SCr of at least 0.3mg/dL or at least 50%

### **Drug discontinuation before contrast procedures and the ...**

catheterization and computed tomography scanning [1] Contrast-induced acute kidney injury (CI-AKI) is defined as the worsening of renal function after the administration of iodinated contrast material [ 1-3] It is the leading iatrogenic and thus potentially preventable cause of acute kidney injury (AKI) [4]

### **Ultrasound super-resolution imaging provides a noninvasive ...**

Acute kidney injury (AKI) is a rapid loss of renal function occurring in up to 20% of hospitalized patients 1 The presence of AKI is associated with both increased immediate hospital mortality and the long-term development of permanent or chronic kidney disease (CKD) and eventually end-stage renal disease

### **Frequency of acute Kidney**

EVIDENCE-BASED PRACTICE: Acute Kidney Injury after Contrast Medium Administration McDonald et al there was a higher incidence of these outcomes in the contrast medium group Heterogeneity was assessed by using the Q test and the I2 statistic The Q test is based on  $\chi^2$  distribution and assesses whether the observed