Potential Impact of Dialysate Magnesium on Intradialytic Hypotension

Author(s): Michael S Balzer, Janina Müller-Deile, Daniela I Schulze, Georg Eisenbach, Bernhard MW Schmidt, Hermann Haller and Roland Schmitt*

Numerous beneficial effects on cardiovascular health have been described for magnesium (Mg). Intradialytic hypotension (IDH) is a common complication in hemodialysis patients which contributes to cardiovascular mortality. It has been suggested that higher dialysate Mg (DMg) might reduce the risk of IDH. ...

Does Milk Intake Play a Specific Role in the Pathogenesis of Kidney Stones?

Author(s): Simone Brardi*, Tiziano Verdacchi, Giorgio Paoletti, Vanni Giovannelli and Ennio Duranti

Background: Diet plays a key role in the pathogenesis of kidney stones. In particular, recent findings have advanced knowledge on the protective role of a high calcium diet. However, not much is known about the specific role played by milk intake in the pathogenesis of kidney stones compared with other dairy products, especially cheese. ...

Does Acute Kidney Injury Alter Energy Metabolism of Septic Patients?

Published On: July 16, 2016 | Pages: 019 - 023
Author(s): Ana Cláudia Soncini Sanches*, Cassiana Regina de Góes, Marina Nogueira Berbel Bufarah, André Luis Balbi and Daniela Ponce

Background: The determination of resting energy expenditure (REE) in critically ill patients is essential to prevent hypo and hyper alimentation. ...

Abstract View | Full Article View | DOI: 10.17352/2455-5495.000011

Nephrolithiasis Associated with Normocalcemic or Hypercalcemic Primary Hyperparathyroidism: An Update on Medical Management

Published On: June 24, 2016 | Pages: 013 - 018

Author(s): Simone Brardi* and Ennio Duranti

Primary hyperparathyroidism (PHPT) is a disease involving a broad range of alterations of calcium homeostasis, sustained by parathyroid hormone (PTH) levels that are clearly abnormal. The anomalies directly associated with hyperparathyroidism are nephrolithiasis and fibrocystic bone disease. Open ...

Abstract View | Full Article View | DOI: 10.17352/2455-5495.000010

Acute Management of Renal Colic and Compliance with National Standards: Closure of the Audit Loop

Published On: February 01, 2016 | Pages: 008 - 010

Author(s): Goonewardene SS* P Rajjayabun

Renal (ureteric) colic is a common surgical emergency. It is usually caused by calculi obstructing the ureter, but about 15% of patients have other causes, e.g. extrinsic compression, intramural neoplasia or an anatomical abnormality [1]. Up to 12 percent of the population will have a urinary stone during their lifetime, and recurrence rates approach 50 percent [2]. ...

Abstract View | Full Article View | DOI: 10.17352/2455-5495.000008
Parathyroidectomies: Pre and Post Op Usage of Calcium Supplementation and Effect on Calcium Levels

Published On: February 01, 2016 | Pages: 005 - 007

Author(s): Goonewardene SS* and Ready A

Introduction: PTH is released from the parathyroid glands behind the thyroid and is the primary regulator of calcium homeostasis. Indications for surgery in hyperparathyroidism remain controversial but can include symptomatic disease, renal stones, impaired renal function, bone involvement or marked reduction in bone density. Due to hypocalcaemia post op, pre-op calci ...

Hemodialysis with Polymethylmethacrylate Restores the Response to Hepatitis B Vaccination in Chronic Dialysis Patients: Hypothesized Mechanism of Action

Published On: January 21, 2016 | Pages: 001 - 004

Author(s): Ralli Chiara, Imperiali Patrizio, Gabbrilelli Claudio, Conti Paolo, Lombardi Marco, Sidoti Antonino, Capitanini Alessandro, Piluso Adriano, Tekle Kiros Seble, Duranti Diletta and Duranti Ennio*

Patients undergoing hemodialysis often present with a reduced response to anti-hepatitis B virus (anti-HBV) vaccination. The soluble form of CD40 (sCD40) is elevated in hemodialysis patients and this has been shown to correlate with lack of response to anti-HBV vaccination. Due to its high molecular weight, conventional dialyzers cannot clear sCD40. Previous studies h ...

Proliferative Glomerulonephritis with Monoclonal Immunoglobulin Deposition: Report of Two Cases and Review of Literature

Published On: December 09, 2016 | Pages: 037 - 039
Here we report two cases of proliferative glomerulonephritis with monoclonal IgG deposits, a form of renal involvement by monoclonal gammopathy that mimics immune complex glomerulonephritis. Case 1 presented with incidental proteinuria and a renal biopsy showed mesangiproliferative glomerulonephritis with monoclonal IgG kappa deposits on immunofluorescence examinatio ...
A case of intractable gross hematuria in a patient with severe cardiac failure is presented. Diagnostic studies revealed venous stasis in bladder as the cause of this extensive bleeding. The clinical problems in the course of diagnosis and management of this rare and refractory condition case are discussed. ...