

Pruritus and long-term hemodialysis among patients with chronic renal failure

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ABSTRACT

Patients with hypertension and diabetes are at risk of developing chronic kidney failure. A common occurrence in patients with chronic kidney disease is pruritus. Pruritus can affect all parts of the body, which can have an emotional impact on the patient, affect the quality of sleep and mood of the patient, and cause discomfort. The study's goal was to determine whether there was a long-term link between hemodialysis and the onset of pruritus among patients with chronic renal failure who were receiving hemodialysis. Quantitative research with the cross-sectional method. A total of 45 patients are in the RSI Sultan Agung Semarang Hemodialisa Unit, Central Java, Indonesia. The instrument in this study was the 5D pruritus scale. Data analysis was done using SPSS version 24. The Spearman rank test was conducted to test the relationship between two variables of the study, namely the duration of hemodialysis and the occurrence of pruritus. The study was conducted in April–June 2022, along with the ethical test. The results of the study obtained a p value of $0.004 \leq 0.05$, which means there is a relationship between long-term hemodialysis and the occurrence of pruritus in patients with chronic kidney failure. In conducting treatment, it is important to pay attention to basic needs and comfort, as well as implement pruritus management.

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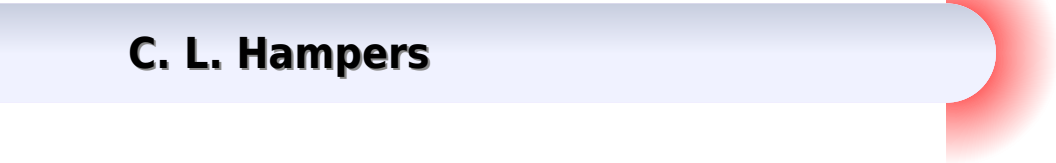
1. INTRODUCTION

The prevalence of chronic kidney failure is rising and is now recognized as a significant global health issue. According to data from the Global Burden of Disease, renal failure was ranked as the 18th leading cause of death in 2017. According to medical records at the Sultan Agung Semarang Hospital, the number of patients with chronic kidney failure continued to increase in 2017: by 1,887 people; in 2018: by 2,185 people; and in 2022: by 2,473 people. The number of patients undergoing hemodialysis in Central Java was 2,580. In addition to being one of the leading causes of deaths, kidney failure will be the fifth-highest cause of death globally by 2040. Among high-income countries, chronic kidney failure is one of the top 10 causes of death in Singapore, Greece, and Israel [1].

Unhealthy lifestyles such as consuming supplement drinks are thought to be a trigger for an increase in the incidence of chronic kidney failure. The effect of chronic kidney failure is anemia [2], [3]. Patients with hypertension and diabetes are at risk of developing chronic kidney failure without having to be diagnosed with early kidney disease. This model uses regularly available physical and laboratory examination data and can predict the risk of short-term kidney failure with high accuracy [4]. According to research conducted by Yembarwar [5], hypertension precedes the development of chronic kidney failure [5].

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C. L. Hampers



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Cumulated Index Medicus ,1993 *Kidney Disease and Nephrology Index* ,1975 **Kopple and Massry's Nutritional Management of Renal Disease** Joel D. Kopple,Shaul G. Massry,2004 This in depth review of metabolism and nutritional management of patients with renal disease is now in its Second Edition Chapter topics are clearly defined and each chapter integrates basic and clinical sciences Illustrations diagrams and tables enhance the text New features include the latest National Kidney Foundation Clinical Practice Guidelines on Nutrition in Chronic Renal Failure the most recent scientific discoveries and the latest techniques for assessing nutritional status in renal disease and literature reviews on patients who receive continuous veno venous hemofiltration with or without dialysis An easy to use book for busy clinicians with extensive and up to date references it provides information relevant to everyday practice Compatibility BlackBerry R OS 4 1 or Higher iPhone iPod Touch 2 0 or Higher Palm OS 3 5 or higher Palm Pre Classic Symbian S60 3rd edition Nokia Windows Mobile TM Pocket PC all versions Windows Mobile Smartphone Windows 98SE 2000 ME XP Vista Tablet PC

Oxford Textbook of Clinical Nephrology Volume 3 Alex M. Davison,2005 Authoritative well written and comprehensive textbook of clinical nephrology combining the clinical aspects of renal disease important for daily clinical practice while giving extensive information about the underlying basic science and current evidence available This new edition highlights the numerous changes in clinical management that have arisen as a result of recently concluded clinical trials and there are now specific formal guidelines for optimal treatment of patients Each section of the textbook has been critically and comprehensively edited under the auspices of one of the leading experts in the field The emphasis throughout is on marrying advances in scientific research with clinical management Where possible treatment algorithms are included to aid patient care **Nutritional Management of Renal Disease** Joel D. Kopple,Shaul G Massry,Kamyar

Kalantar-Zadeh,2012-12-31 This translational text offers in depth reviews of the metabolic and nutritional disorders that are prevalent in patients with renal disease Chapter topics address the growing epidemic of obesity and metabolic syndrome Each chapter integrates basic and clinical approaches from cell biology and genetics to diagnosis patient management and treatment Chapters in sections 4 7 include new illustrative case reports and all chapters emphasize key concepts with chapter ending summaries New features also include the latest National Kidney Foundation Clinical Practice Guidelines on Nutrition in Chronic Renal Failure the most recent scientific discoveries and the latest techniques for assessing nutritional status in renal disease and literature reviews on patients who receive continuous veno venous hemofiltration with or without

dialysis Provides a common language for nephrologists nutritionists endocrinologists and other interested physicians to discuss the underlying research and translation of best practices for the nutritional management and prevention of renal disease Saves clinicians and researchers time in quickly accessing the very latest details on nutritional practice as opposed to searching through thousands of journal articles Correct diagnosis and therefore correct treatment of renal metabolic and nutritional disorders depends on a strong understanding of the molecular basis for the disease both nephrologists and nutritionists will benefit Nephrologists and nutritionists will gain insight into which treatments medications and diets to use based on the history progression and genetic make up of a patient Case Reports will offer an added resource for fellows nutritionists and dieticians who need a refresher course

Principles and Practice of Dialysis William L. Henrich, 2009 This book is an evidence based review of the practical challenges of dealing with patients receiving dialysis The first section covers technical and procedural considerations such as choosing the hemodialysis membrane and choosing the best dialysis option The second section covers clinical considerations such as infection and the treatment of specific renal disease complications The book includes numerous illustrations and tables and drug charts for dialysis patients This edition's current outcomes chapter has been expanded to include patient depression and improving quality of care New chapters cover dialysis in the ICU valvular heart disease and pre-emptive renal transplantation

Diseases of the Kidney and Urinary Tract Robert W. Schrier, 2007 The thoroughly updated Eighth Edition of this classic three volume work provides the most comprehensive current and authoritative information on diseases of the kidney and urinary tract This clinically oriented reference focuses on diagnosis and treatment of specific diseases disorders and complications and incorporates the basic science practicing physicians need to evaluate and manage the disease process Each of the fourteen sections is written by internationally renowned contributors and provides coverage comparable to a complete book The first two sections review renal basic science and describe current diagnostic tools The remaining twelve sections cover various types of diseases including hypertension urological problems and urinary tract concerns Each disease oriented section begins with an up to date review of pathophysiology and then focuses on specific diseases This edition has new lead authors for more than 25 chapters and separate chapters on heart disease and the kidney liver disease and the kidney and the nephrotic syndrome

Therapy of Renal Diseases and Related Disorders Wadi N. Suki, Shaul G. Massry, 1991-03-31 A handsome and rugged practical text and ready reference revised and expanded with 13 new chapters that blends theory and basic science with practical clinical applications for optimal therapeutic benefit The 62 contributed chapters are logically organized into eight parts disorders of fluid electrolyte and acid base balance intrinsic parenchymal disease renal involvement in systemic disease hereditary and congenital diseases neoplasia chemical and physical injuries chronic renal failure and miscellaneous i.e. the catheter and nonsurgical management of vesicourethral dysfunction Annotation copyrighted by Book News Inc Portland OR

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