



Kidney Function in Later Life

Last reviewed January 2020

Chronic Kidney Disease in the Elderly

<https://www.sciencedirect.com/science/article/pii/S0749069013000360?via%3Dihub>

This article provides an overview of particular considerations for assessing and treating chronic kidney disease in older adults. (OPEN ACCESS)

Chronic Kidney Disease in Elderly People: Disease or Disease Label?

<https://www.bmj.com/content/352/bmj.h6559>

This article highlights the need to focus on the debate on improving patient centred outcomes rather than just identifying everyone at above average risk. (OPEN ACCESS)

Chronic Kidney Disease in the Elderly: Evaluation and Management

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4291282/>

This review seeks to explore the epidemiology and discuss the current understanding of challenges in the diagnosis and management of elderly patients CKD. (OPEN ACCESS)

Natural Progression of Renal Function in the Elderly: Analysis of Poor Prognosis Factors Associated with Chronic Kidney Disease

<https://revistanefrologia.com/en-natural-progression-renal-function-in-articulo-X2013251413052936>

In this review the authors discuss their analysis of a study investigating poor prognosis factors associated with chronic kidney disease. (OPEN ACCESS)

Beyond Chronic Kidney Disease: The Diagnosis of Renal Disease in the Elderly as an Unmet Need. A Position Paper Endorsed by Italian Society of Nephrology (SIN) and Italian Society of Geriatrics and Gerontology (SIGG)

<https://link.springer.com/article/10.1007/s40620-019-00584-4>

This paper aims at summarizing the evidence about differences between physiologic aging of the kidney and progressive kidney disease, as well as challenges in diagnosing kidney disease among older patients. (OPEN ACCESS)

Geriatric Assessment in Advanced Kidney Disease

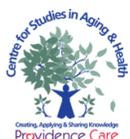
<https://cjasn.asnjournals.org/content/14/7/1091>

This article discusses the fact that the dialysis population is aging and includes considerations for older patients with kidney disease. (OPEN ACCESS)

The Management of Hypertension in Elderly Patients with Chronic Kidney Disease

<https://www.mdedge.com/jcomjournal/article/163706/cardiology/management-hypertension-elderly-patients-chronic-kidney>

This article reviews the available literature regarding hypertension and chronic kidney disease (CKD) in the elderly and provides a framework for clinical management of hypertension in this subset of the elderly population. (OPEN ACCESS)



Making Connections & Sharing Knowledge



Kidney Function in Later Life

Chronic Kidney Disease in the Elderly: Assessment and Management

<https://www.racgp.org.au/afp/2012/december/ckd-in-the-elderly/>

This article outlines the clinical significance of chronic kidney disease in the elderly and summarizes recommendations for its assessment and management. (OPEN ACCESS)

Current and Emerging Treatment Options for the Elderly Patient with Chronic Kidney Disease

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3896291/>

The objective of this article is to review the current and emerging treatments of CKD prior to dialysis in the elderly. (OPEN ACCESS)

Treatment Decisions for Older Adults with Advanced Chronic Kidney Disease

<https://bmcnephrol.biomedcentral.com/articles/10.1186/s12882-017-0617-3>

The authors argue that to optimize the care of older adults, early and repeat shared decision making conversations by health care providers, patients, and their families should consider the risks, burdens, and benefits of dialysis versus conservative management. (OPEN ACCESS)

Rate of Decline of Kidney Function, Modality Choice, and Survival in Elderly Patients with Advanced Kidney Disease

<https://www.karger.com/Article/Fulltext/447784>

The authors investigate the role of rate of decline of kidney function on treatment choices and survival. (OPEN ACCESS)

Outcomes of Renal Function in Elderly Patients with Acute Kidney Injury

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5261605/>

The aim of the study described was to explore the prognostic impact of clinical factors on the short-term outcomes of renal function (RF) in very elderly patients with acute kidney injury (AKI). (OPEN ACCESS)

Diabetic Kidney Disease in Elderly Individuals

<https://www.sciencedirect.com/science/article/abs/pii/S0025712512001964?via%3Dihub>

The author discusses the prevalence of diabetes in older individuals and the complication of chronic kidney disease along with the effects of aging and diabetes on kidney function in older adults. (PAID ACCESS)

Diabetes Management in Older Adults with Chronic Kidney Disease

<https://link.springer.com/article/10.1007%2Fs11892-019-1128-3>

In this review, the authors examine the complexity and heterogeneity of older adults with diabetes and chronic kidney diseases, explore the nuances in their diabetes-related monitoring, and discuss their best diabetes management. (PAID ACCESS)

Diabetic Kidney Disease in Elderly Individuals

<https://www.sciencedirect.com/sdfe/pdf/download/eid/1-s2.0-S0025712512001964/first-page-pdf>

This article explores the growing epidemic of diabetes in the elderly which is the most common cause of chronic kidney disease (CKD) and end-stage renal disease (ESRD) in the elderly in the US. (PAID ACCESS)

Kidney Function in Later Life

Bone Mineral Density and Fracture Risk in Older Individuals with CKD

<https://cjasn.asnjournals.org/content/7/7/1130.full>

This study assessed with bone mineral density is associated with fractures in participants with and without chronic kidney disease in the Health, Aging, and Body Composition study of well-functioning older individuals. (OPEN ACCESS)

Kidney Function Predicts the Rate of Bone Loss in Older Individuals: The Cardiovascular Health Study

<https://academic.oup.com/biomedgerontology/article/61/7/743/822680>

The aim of this population-based cohort study of older adults examined the association of cystatin-C, a new marker of kidney function that is unrelated to lean mass, with initial and follow-up BMD. (OPEN ACCESS)

Albuminuria, Impaired Kidney Function and Cardiovascular Outcomes or Mortality in the Elderly

<https://academic.oup.com/ndt/article/25/5/1560/1838375>

The authors examined the association of markers of albuminuria and cystatin C with mortality and cardiovascular outcomes during a follow-up of older adults in the Cardiovascular Health Study. (OPEN ACCESS)

Influence of Changes in Serum Uric Acid Levels of Renal Function in Elderly Patients with Hypertension: A Retrospective Cohort Study with 3.5 Year Follow-up

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4739318/>

This retrospective cohort study sought to explore the relationship between longitudinal changes in serum uric acid and the estimate glomerular filtration rate (eGFR) in a cohort of elderly hypertensive patients. (OPEN ACCESS)

Interactive Effects of Diabetes and Impaired Kidney Function on Cognitive Performance in Old Age: A Population-Based Study

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4710025/>

The aim of this study was to investigate the association of diabetes and impaired kidney function with cognitive impairment among Chinese older people living in a rural area. (OPEN ACCESS)

Inappropriate Prescription and Renal Function Among Older Patients with Cognitive Impairment

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5122609/>

The study discussed aimed to estimate the prevalence of impaired renal function and inappropriate prescriptions on the basis of renal function among older patients with dementia or cognitive impairment. (OPEN ACCESS)

Assessment of Renal Function Based on Cystatin C in Elderly with Dementia

<https://www.sciencedirect.com/science/article/abs/pii/S0924933817320977>

The aim of this cross-sectional study was to assess the correlation between renal function and dementia diagnosis. (OPEN ACCESS)

Impact of Sleep Disturbances of Kidney Function Decline in the Elderly

<https://erj.ersjournals.com/content/47/3/860>

This article discusses the findings of a large 11 year prospective study in the elderly which examined the associations between sleep disturbances and kidney function. (OPEN ACCESS)

Kidney Function in Later Life

Frailty and the Relationship Between Albuminuria and Renal Function in Elderly Patients with Type 2 Diabetes (ZODIAC)

<https://www.easd.org/virtualmeeting/home.html#!resources/frailty-and-the-relationship-between-albuminuria-and-renal-function-in-elderly-patients-with-type-2-diabetes-zodiac--2>

The authors examined the relationship between renal function and mortality and how that relationship may be influenced by the level of frailty in older adults. (OPEN ACCESS)

Association Between Low-Grade Albuminuria and Frailty Among Community-Dwelling Middle-Aged and Older People: A Cross-Sectional Analysis from I-Lan Longitudinal Aging Study

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5175144/>

The authors investigated the relationship between low-grade albuminuria and frailty by using cross-sectional data among community-dwelling middle-aged and older people. (OPEN ACCESS)

Frailty Screening in Chronic Kidney Disease: Current Perspectives

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6901033/>

This review highlights the value of frailty screening in CKD by summarizing the outcomes associated with frailty and exploring proposed changes to the management of frail patients with CKD. The authors propose a framework for how to implement frailty screening into standard nephrology care. (OPEN ACCESS)

Frailty and Sarcopenia in Older Patients Receiving Kidney Transplantation

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6861371/>

In this review the authors discuss the pathogenesis and epidemiology of frailty and sarcopenia in older transplant candidates and recipients. (OPEN ACCESS)

Relationships of Hyperhomocysteinemia and Hyperuricemia with Metabolic Syndrome and Renal Function in Chinese Centenarians

<https://www.frontiersin.org/articles/10.3389/fendo.2018.00502/full>

This study aims to investigate the relationships of hyperhomocysteinemia and hyperuricemia with MetS and renal function in Chinese centenarians. (OPEN ACCESS)

Low Dose Aspirin Therapy and Renal Function in Elderly Patients

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3549682/>

The purpose of this prospective pilot study was to determine whether low dose aspirin has a deleterious effects on renal function in elderly patients. (OPEN ACCESS)

Renal Function Associates with Energy Intake in Elderly Community-Dwelling Men

<https://www.cambridge.org/core/journals/british-journal-of-nutrition/article/renal-function-associates-with-energy-intake-in-elderly-communitydwelling-men/8B82F9AFE1EA0B1224302F4451C8A01F/core-reader#>

The objective of the study discussed was to evaluate a possible relationship between renal dysfunction and energy intake in community-dwelling elderly men. (OPEN ACCESS)

Seasonal Influence on the Renal Function in Hospitalized Elderly Patients

<https://www.sciencedirect.com/science/article/abs/pii/S1878764914002368>

This article describes the findings of a retrospective observational cohort study examining the impact of the season of admission on renal function and the development of acute kidney injury in elderly patients. (OPEN ACCESS)