



Nephrology

American Journal of

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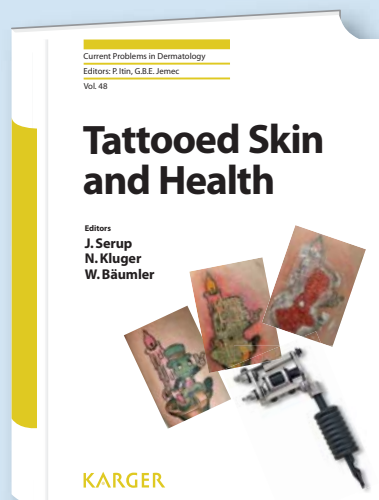
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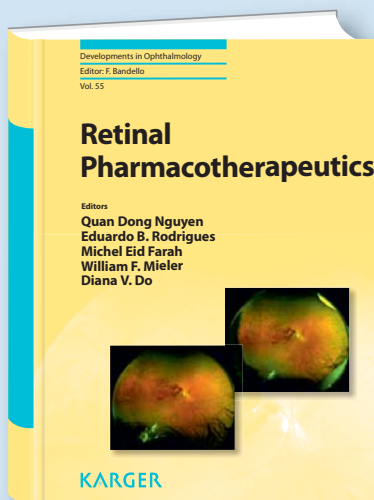


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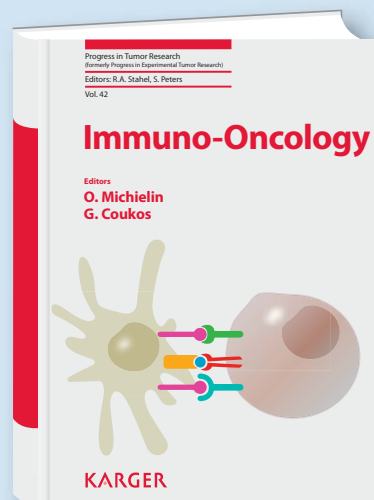
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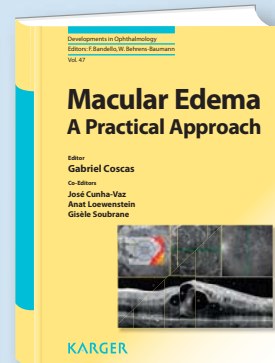
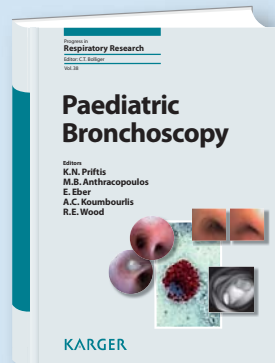
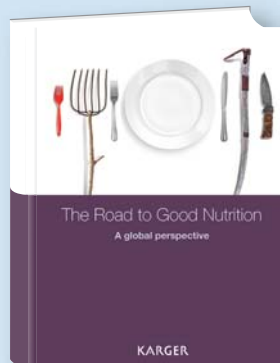
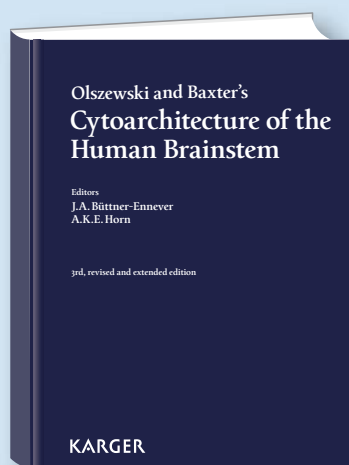
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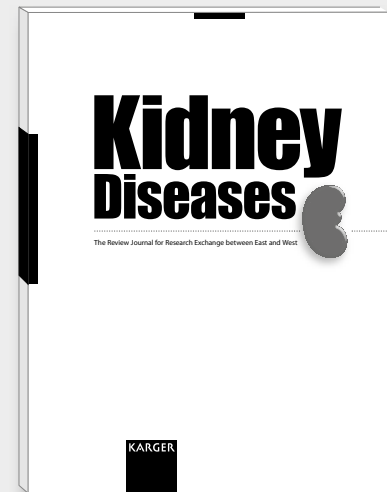
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- New Insights into the Pathogenesis of IgA Nephropathy: **Novak, J.; Rizk, D.** (Birmingham, Ala.); **Takahashi, K.** (Birmingham, Ala./Toyoake); **Zhang, X.; Bian, Q.** (Birmingham, Ala./Shanghai); **Ueda, H.; Ueda, Y.; Reily, C.** (Birmingham, Ala.); **Lai, L.-Y.** (Birmingham, Ala./Shanghai); **Hao, C.** (Shanghai); **Novak, L.; Huang, Z.-Q.; Renfrow, M.B.** (Birmingham, Ala.); **Suzuki, H.** (Birmingham, Ala./Tokyo); **Julian, B.A.** (Birmingham, Ala.)
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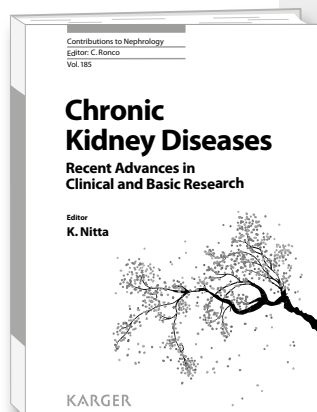
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Chronic Kidney Diseases

Recent Advances in Clinical and Basic Research

Editor
K. Nitta

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Chronic kidney disease (CKD) is a growing worldwide public health problem resulting from the increasing number of patients with diabetes and hypertension, but also from the aging of the population. As the pathology associated with CKD appears to become more complex with age, it is essential to improve the prognosis of patients suffering from CKD by developing effective measures to prevent and control complications for the elderly.

The publication at hand makes a significant contribution to achieving this goal, with renowned Japanese scientists presenting their recent research results. Papers cover various aspects of CKD and related morbidities, ranging from dialysis- and access-related issues to bone disorders, tissue engineering, or hyperphosphatemia.

Due to the wide range of topics presented, this book will be of interest to readers in various clinical and research settings connected with the care for the elderly.

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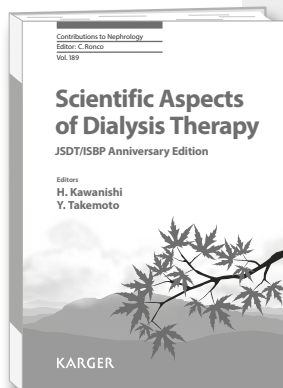
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Scientific Aspects of Dialysis Therapy

JSDT/ISBP Anniversary Edition

Editors
Hideki Kawanishi
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This book brings together papers presented both during the 61st Annual Meeting of the Japanese Society for Dialysis Therapy (JSDT) and the 34th Congress of the International Society of Blood Purification (ISBP), held in Osaka in June and in Hiroshima in September 2016, respectively. They cover a broad spectrum of topics, ranging from hemodialysis, peritoneal dialysis, hemodiafiltration and technical innovations in blood purification to complications of chronic kidney disease and acute kidney injury, including mineral bone disease and anemia.

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Targeting Hypoxia-Inducible Factors for the Treatment of Anemia in Chronic Kidney Disease Patients

Locatelli, F. (Lecco); Fishbane, S. (Great Neck, NY); Block, G.A. (Denver, CO); Macdougall, I.C. (London)

Hypoxia-inducible factors (HIF) regulate erythropoiesis at the molecular level. Accordingly, drugs that inhibit the enzyme HIF-prolyl hydroxylase simulate hypoxia in the cell and orchestrate a series of responses that increases red blood cell mass. However, hundreds of other genes are also stimulated and the risk-benefit assessment in patients with chronic kidney disease is the subject of several larger phase III trials. Locatelli and colleagues discuss this class of compounds in their in-depth review in this edition of AJN.

Am J Nephrol 2017;45:226–234
DOI: 10.1159/000454991

The Association between Biomarker Profiles, Etiology of Chronic Kidney Disease, and Mortality

Langsford, D.; Tang, M.; Cheikh Hassan, H.I. (Vancouver, BC); Djurdjev, O. (Vancouver, BC/Ottawa, ON); Sood, M.M. (Ottawa, ON); Levin, A. (Vancouver, BC/Ottawa, ON)

There is variability in outcomes in patients with different etiologies of chronic kidney disease such as progression to dialysis and mortality. It would be of great clinical utility to have tools that would enable one to objectively identify CKD patients with higher mortality risk so as to guide interventions with the potential of reversibility. In this paper the authors analyze data from a Canadian multicentre cohort study (the Canadian Study of Prediction of Dialysis, Death and Interim Cardiovascular Events over Time) that prospectively collected serial biosamples of blood and urine in patients with advanced CKD. Their analysis provides preliminary evidence that biomarker profiles differ in CKD based on etiology and may represent potential therapeutic targets for future intervention. Subsequent studies could be used to validate these findings in other cohorts. If consistent high risk profiles are confirmed, then studies designed to assess whether directed interventions can reduce the associated biomarkers and ameliorate their related processes, should be conducted.

Am J Nephrol 2017;45:248–256
DOI: 10.1159/000455390

Clinical Features and Outcomes of a Racially Diverse Population with Fibrillary Glomerulonephritis

Payan Schober, F.; Jobson, M.A.; Poulton, C.J.; Singh, H.K.; Nickeleit, V.; Falk, R.J.; Jennette, J.C.; Nachman, P.H.; Pendergraft III, W.F. (Chapel Hill, NC)

Fibrillary glomerulonephritis (FGN) is a relatively rare but morphologically distinctive disorder, only diagnosable by renal biopsy, first described 40 years ago. It has been generally regarded to be a form of “Primary” glomerulonephritis. In a retrospective survey of 42 racially diverse patients seen at the University of North Carolina Kidney Center between 1985–2015, Payan-Schoder and colleagues add important new insights into the clinical features and outcomes of FGN. The findings emphasize that FGN is secondary to underlying auto immune, diseases and infections (mainly hepatitis C virus) and malignancy in many cases (almost 60% in this series). Outcomes are generally poor, but might be improved by greater attention to the underlying diseases associated with FGN.

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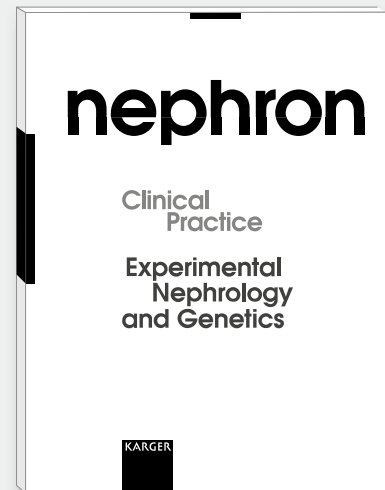


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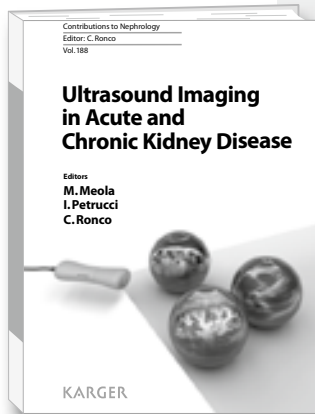
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- Foot Process Effacement Is an Early Marker of Nephropathy in Young Classic Fabry Patients without Albuminuria: **Tondel, C.** (Bergen); **Kanai, T.** (Tochigi); **Larsen, K.K.** (Bergen); **Ito, S.** (Tokyo); **Politei, J.M.** (Buenos Aires); **Warnock, D.G.** (Birmingham, Ala.); **Svarstad, E.** (Bergen)
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- Improved Survival of Incident Patients with High-Volume Haemodiafiltration: A Propensity-Matched Cohort Study with Inverse Probability of Censoring Weighting: **Canaud, B.**; **Bayh, I.**; **Marcelli, D.** (Bad Homburg); **Ponce, P.** (Lisbon); **Merello, J.I.** (Madrid); **Gurevich, K.** (Saint Petersburg); **Ladanyi, E.** (Miskolc); **Ok, E.** (Izmir); **Imamovic, G.** (Zvornik); **Grassmann, A.**; **Scatizzi, L.** (Bad Homburg); **Gatti, E.** (Bad Homburg/Krems)
- Generating Conditionally Immortalised Podocyte Cell Lines from Wild-Type Mice: **Keir, L.S.**; **Firth, R.**; **May, C.**; **Ni, L.**; **Welsh, G.I.**; **Saleem, M.A.** (Bristol)
- The Gut as a Source of Inflammation in Chronic Kidney Disease: **Lau, W.L.**; **Kalantar-Zadeh, K.**; **Vaziri, N.D.** (Orange, Calif)
- Complement and Cardiovascular Disease – The Missing Link in Haemodialysis Patients?: **Lines, S.W.** (Norwich); **Richardson, V.R.**; **Thomas, B.**; **Dunn, E.J.**; **Wright, M.J.**; **Carter, A.M.** (Leeds)
- Nephrosclerosis: A Term in Quest of a Disease: **Meyrier, A.** (Paris)
- The Low AGE Diet: A Neglected Aspect of Clinical Nephrology Practice: **Uribarri, J.**; **He, J.C.** (New York, N.Y.)

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A practical manual for physicians and nurses



Ultrasound Imaging in Acute and Chronic Kidney Disease

Editors
Mario Meola
Ilaria Petrucci
Claudio Ronco

Ultrasound Imaging in Acute and Chronic Kidney Disease

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Ultrasound imaging techniques are an indispensable complement to physical examination, which is often frustrating, if not useless, for diagnosing kidney problems. The application of ultrasound techniques in clinical routine helps clinicians to rule out, at first glance, some serious pathological conditions and to concentrate on the accurate diagnosis of the patient. Moreover, sonography can extend the spectrum of diagnostic criteria in acute kidney diseases. It makes it possible to determine morphological parameters without potentially toxic contrast media while exploring functional aspects with contrast enhanced or Doppler ultrasound techniques.

This publication meets a growing demand for current information among physicians and nurses in the field. With a focus on the daily practice of diagnosing kidney disease, it is an important resource for both beginner and advanced users of ultrasound imaging techniques.

Chronic Kidney Disease

- Imaging in Chronic Kidney Disease: **Meola, M.; Samoni, S.; Petrucci, I.**
- Clinical Scenarios in Chronic Kidney Disease: Vascular Chronic Diseases: **Meola, M.; Samoni, S.; Petrucci, I.**
- Clinical Scenarios in Chronic Kidney Disease: Parenchymal Chronic Renal Diseases – Part 1: **Petrucci, I.; Samoni, S.; Meola, M.**
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- Clinical Scenarios in Chronic Kidney Disease: Kidneys' Structural Changes in End-Stage Renal Disease: **Meola, M.; Samoni, S.; Petrucci, I.**

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- Ultrasound in Acute Kidney Disease: **Meola, M.; Nalesso, F.; Petrucci, I.; Samoni, S.; Ronco, C.**
- Clinical Scenarios in Acute Kidney Injury: Pre-Renal Acute Kidney Injury: **Meola, M.; Nalesso, F.; Petrucci, I.; Samoni, S.; Ronco, C.**
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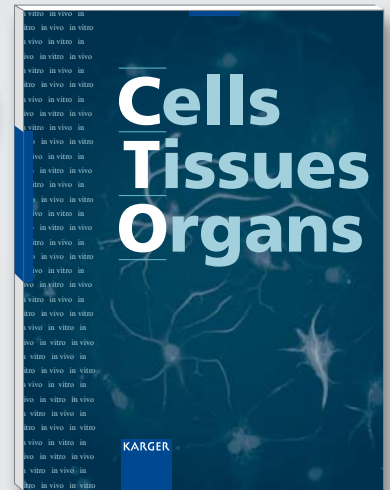
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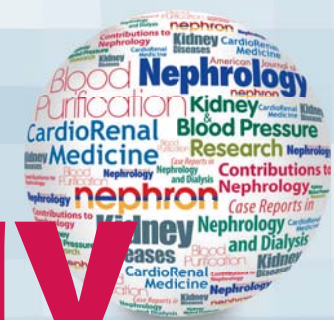
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- Multiscale Characterization of Impact of Infarct Size on Myocardial Remodeling in an Ovine Infarct Model: **Zhang, P.**; **Li, T.**; **Griffith, B.P.**; **Wu, Z.J.** (Baltimore, Md.)

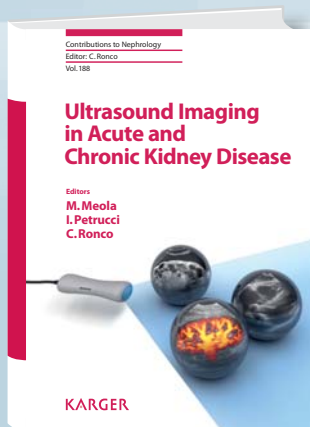
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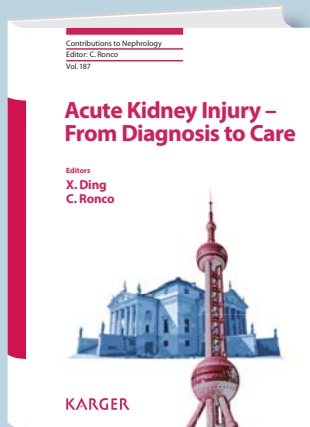
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