Mission Statement
The purpose of Advances in Chronic Kidney Disease (ACKD) is to provide in-depth, scholarly review articles about the care and management of persons with early kidney disease and kidney failure, as well as those at risk for kidney disease. Emphasis is on articles related to the early identification of kidney disease; prevention or delay in progression of kidney disease; the multidisciplinary case management of patients with chronic kidney disease or kidney failure; organ effects of kidney disease; epidemiology and outcomes research in kidney disease; benefits and complications of the primary treatment methods, dialysis and transplantation; technical aspects of the delivery of uremia therapy; care of the critically ill patient with kidney failure in the intensive care setting; new therapies for kidney failure; and health care research in chronic kidney disease. The full spectrum of basic science through clinical care is covered in these reviews. Clinical care issues stress the multidisciplinary team approach to the care of kidney patients. Topics covered will be of interest to practicing nephrologists (pediatric and adult), nephrology fellows (pediatric and adult), nurses, technicians, dieticians, and social workers caring for patients with kidney disease. Each issue of ACKD includes a focused review section of several articles on a topic of current interest.
Table of Contents
As Guest Editor, you have been invited to select and recruit authors for the focused review section of the journal. Authors should be selected for their reputation, knowledge, and writing skill. Additionally, the various disciplines involved with your topic should be taken into consideration to ensure that multiple disciplines are represented among the authors and coauthors (see mission statement, above). Leaders in the field should be asked to participate whenever possible. Please send the table of contents with the proposed article titles and authors for the focused review section to Dr. Yee on the deadline dates agreed upon.

Invitations to Contributors
After you and Dr. Yee have agreed on the table of contents, the next step is to contact contributors. Your invitation to the first author of each article should include the proposed article title, the page limit for each article (see next section), and deadline for submission of the manuscript to you, the table of contents, and the Guidelines for Contributing Authors. If the topic of your focused review is one in which terminology and symbols are not yet standardized, or if you have a preferred set of terms and symbols, please communicate them to the contributors before they begin preparing their papers. This will help to assure consistency in use throughout the focused review section and minimize confusion for the reader.

We recommend that you set a deadline for contributors at least one month before the date for submission of final manuscripts to Dr. Yee, and managing editor, Ms. Mani, to allow yourself time to review and revise manuscripts, if necessary. You may wish to consider asking contributors to submit an outline of their article at an interim point. Not only will this help to assure that they have begun planning their papers, but it will help you assess whether the content of particular papers is developing as you envisioned without overlaps. It can also alert you to an author who does not meet deadlines. To ensure that they meet deadlines, contact contributors before the deadline to offer encouragement and to ask how they are progressing with their article.

Length of Manuscripts
The page allotment for your section must be strictly enforced. The Word Limit for articles is approximately 3,500 words (text only - does not include abstract, references, tables, or figures). Exercise judgment in deleting text and/or converting verbose text to a table if necessary. To help you calculate page length, please consider (1) the text of the article, (2) references, and (3) figures and/or tables. Table and figure sizes can vary drastically; page estimations should be reflected accordingly.

The following approximations are offered to help you calculate page length:

- Two 8½ x 11 pages, double-spaced, with 1.5-inch margins, in standard 10 or 12 point word processor type (approximately 275 words per page) = 1 printed page
- 30 references (all lines double-spaced) = 1 printed page
- 4 tables or figures with legends = 1 printed page

Example A manuscript contains 10 pages of text with 15 references and 6 tables:
- 10 pages of text = 5 printed pages
- 15 references = ½ printed page
- 6 figures or tables = 1½ printed pages
- TOTAL = 7 printed pages

Review
As Guest Editor, you are the primary reviewer and have full authority and responsibility for initial review, rejection, recommended modification, and personal editing of each manuscript. Writing should be simple, direct, and lucid. Please ensure that all articles in your section are consistent in their use of any symbols or scientific notation. Responsibility for accuracy, timeliness, and completeness of the final manuscript rests with the Guest Editor. Any substantive modifications of an author's work require his or her approval. If you edit a manuscript or recommend that an author make modifications, the author should have the manuscript retyped and submit a final draft via EES. Manuscripts should be submitted via EES where the Editor and Managing Editor will coordinate the peer review. Contact information for each reviewer (including email addresses) should be submitted to the Managing Editor.

Please refer to the Guidelines for Contributing Authors to assure that manuscripts are in compliance with requirements. Check all figures carefully and offer any specific instructions about sizing, magnifications, or layout. If any figures or tables are to be reprinted from other sources, written permission must be obtained by authors from the copyright holder, and these letters must accompany the manuscripts when they are submitted to you. Authors are responsible for any permissions charges. Also, please ensure that authors adhere to the National Kidney Foundation policy regarding CKD terminology (see Guidelines for Contributing Authors for details, or visit http://www.kdoqi.org).
Manuscript Submission

ACKD uses EES (Elsevier Editorial System), an online manuscript submission and peer-review system. All manuscripts should be submitted online at http://ees.elsevier.com/ackd/ no later than the agreed-upon deadline. No editing marks should appear on the manuscripts. Before submitting the manuscripts, the Guest Editor should confirm that each article includes the items listed below. Missing material should be obtained before the deadline for submitting manuscripts to the Editor and Managing Editor via EES.

Each manuscript must include:

1. A cover page that includes the title of the article; a short title in addition to article title; name(s) of author(s); full mailing address, telephone and fax numbers of the primary author; institutional affiliations for all authors; email address for the corresponding author; and financial disclosure statement.

2. An informative abstract of the article (200 words or less). An informative abstract condenses the information in the article, focusing on the key conclusions and potential applications.

3. A Clinical Summary. The Clinical Summary should consist of 2-4 bullets (one sentence per bullet) that present the key findings or concepts in the article and perhaps comment on their implications.

4. A list of five key words for indexing. Please use terms in Index Medicus as examples to choose words that will both aptly describe the article and collocate the article with others on the subject.

5. Consecutively numbered pages, beginning with "1" on the first page of text (not the title page).

6. Camera-ready artwork for any figures and/or tables. Camera-ready artwork refers to glossy black and white prints. The lowest quality original accepted is ink jet/laser print output. Photocopies may not be used.

7. Acknowledgement of grant support when appropriate (“Supported in part by...”).

8. Letters of permission from copyright holders for any previously published illustrations, including modified figures/tables.

References

Reference citations in the text should follow numerical order and should be indicated with a superscript arabic numeral, e.g., 1, not a number in parentheses. References should be listed at the end of the manuscript in the order in which they are referred to in the text, not in alphabetical order; they must follow the style of the samples below. Manuscripts in press may be referenced. Manuscripts submitted for publication, but not yet accepted, should not be referenced, but may be listed as "unpublished data" in the text. All references must be complete when the manuscript is submitted for peer review. Abbreviations for titles of medical periodicals should conform to those in the latest edition of Index Medicus and should not include periods. ACKD citation style follows the AMA Manual of Style, which should be selected if using reference handling software (e.g., EndNote, Reference Manager).

Examples of References:

Journal article, up to six authors (list all authors):

Journal article, more than six authors (list first three authors, followed by et. al.):

Journal article in press:

Book Chapter:

Item presented at a meeting but not yet published:

The Peer Review Process

The Editorial Office will coordinate the peer review process, and will share the reviews with you. As Guest Editor, you are responsible for reading each review carefully and deciding which suggested changes, if any, should be incorporated by the author in revisions. Because Guest Editors will receive two sets of comments for each manuscript, they may choose to wait until they have received both reviews before discussing revisions with the author. Assuming that all preceding phases of the preparation of your section have been completed on time, we recommend that authors be given one week to complete revisions of their manuscripts. This will ensure that Guest Editors have sufficient time for any final editing of the manuscripts before submitting the final, revised versions to the Editor and Managing Editor via the EES. Please note that there will not be an opportunity for substantive copyediting at the first proof stage (galley proofs).

Editorial

Guest Editors should submit a short (1-2 printed pages) editorial that serves as an introduction to each issue. This Guest Editorial should generally not exceed 1500 words.
Cover

Guest Editors will need to provide information for the printed cover of their issue. Please see the Guest Editor Cover Information Instructions for more information (http://www.ackdjournal.org/content/authinfo).

Proofs and Publication

When the final versions of the manuscripts for your section have been submitted, the Editor and the Managing Editor may edit the manuscripts before sending them to the issue manager at Elsevier. First proofs (galleys) will be reviewed by the corresponding author, the Editor, Managing Editor, and Guest Editors. Approximately four weeks after the manuscripts are sent to Elsevier, you will receive an email with the PDF file of the proof. This email includes instructions for correcting and returning the proof using the Adobe Reader PDF annotation function. Individual authors are responsible for checking their proof thoroughly and answering all author queries. You are not responsible for close proofreading of the entire issue. You will, however, need to proofread your Editorial and review the rest of your issue to make sure everything is consistent. Ordinarily, the only corrections needed on first proofs are typographical corrections or recent publication information for references. You and your authors will not receive second proofs. Therefore, it is important that Guest Editors make all necessary corrections on the first set of proofs.

Offprints

The corresponding author will, at no cost, receive a customized Share Link providing 50 days free access to the final published version of the article on ScienceDirect. The Share Link can be used for sharing the article via any communication channel, including email and social media. For an extra charge, paper offprints can be ordered via the offprint order form which is sent once the article is accepted for publication. Both corresponding and co-authors may order offprints at any time via Elsevier's Webshop. Corresponding authors who have published their article open access do not receive a Share Link as their final published version of the article is available open access on ScienceDirect and can be shared through the article DOI link.
APPENDIX A

ACKD Cover Information Instructions

Guest Editor: Please provide the following information for the Journal Cover:

1. Cover photo or concept for the cover photo that can be designed.
2. Short photo caption (75 characters or less, including spaces) that will appear under the photo.
3. The title for the issue.
4. Guest Editor names and degrees as they should appear on the cover.
5. Full photo caption (1-2 sentences) that will appear on the Table of Contents (see below for example).
The Roles of the Skeleton and Phosphorus in the CKD Mineral Bone Disorder
Keith A. Huska and Suresh Mathew 98

Direct Effects of Phosphate on Vascular Cell Function
Wei Ling Liu, Ashwini Pei, Sharon M. Moe, and Cecilia M. Giachelli 105

Phosphate and Cardiovascular Disease
Jessica Kendrick, Bryan Kistenbaum, and Michel Chonhol 113

Derangements in Phosphate Metabolism in Chronic Kidney Diseases/Endstage Renal Disease: Therapeutic Considerations
Donald A. Molony and Brett W. Stephens 120

Phosphate Sensing
Clemens Bergwitz and Harald Jüppner 132

Dynamic Imaging of the Sodium Phosphate Cotransporters
Judith Blaine, Luca Lanzara, Hector Giral, Yuenanqi Cadas, Moshe Levi, Enrico Gratton, Radu Moldovan, and Tin Lei 145

Abstracts

Cover Image: Imaging of the type IIa sodium phosphate cotransporter in proximal renal tubule cells using multiple fluorescent imaging techniques, from kidney cortex to single microvilli.
**APPENDIX B**

**ACKD Style Notes for Authors**

- All tables and figures must have titles and captions/legends and must be cited in text
- All references must conform to the format described in the Guidelines for Contributing Authors
- For pharmaceutical agents/drugs, devices, and laboratory assays/kits, provide location (city, state, country) of manufacturer at first mention
- CKD and ESRD do not need to be defined at their first use
- Use Arabic numerals for the stages of CKD as in CKD Stage 4
- Use of plurals with abbreviations: Use CPMs, not CPM, when discussing more than one CPM. Example: The committee presented 4 new CPMs.
- Units of Measurement:
  - Units should be expressed in US conventional units throughout; international equivalents or conversions are not necessary in running text (the abstract and body of the manuscript).
  - Conversion factors must be provided in figure legends and table notes, as appropriate, as shown in the following examples:
    - **In figure legends:**
      Conversion factors for units: serum creatinine in mg/dL to mol/L, ×88.4; urea nitrogen in mg/dL to mmol/L, ×0.357. No conversion necessary for serum potassium in mEq/L and mmol/L, ferritin in ng/mL and μg/L, and PTH in pg/mL and ng/L.
    - **In tables:**
      |                | Patient 1 | Patient 2 |
      |----------------|-----------|-----------|
      | Serum creatinine (mg/dL) | 0.6      | 1.2       |
      | Serum urea nitrogen (mg/dL) | 8        | 18        |
      | Serum sodium (mEq/L) | 139    | 141       |

  - Units should be preceded by a space when following a number. Examples: 117 mg/dL, 5 m, 4 mmol/L.
  - Use of millilitre, decilitre and liter. Use mL, dL, and L, as in 5 mL, 12 mg/dL, and 40 g/L.
  - Abbreviation of grams: Units should be expressed as “g” not “gm.” Example: There were 13 g or 13,000 mg of enzyme.
  - Four-digit numbers: Use no commas in numbers less than 10,000. Example: There were 9999 passengers aboard the ship.
  - Use of > and < signs: Use >35 versus > 35.
  - Use of = sign and mathematical operators (+, -, ÷, ×, ±): A space should precede and follow each = sign. \[15 \times (13 + 27)\] ÷ 6 = 100
  - Use of / as division sign: No space should precede or follow the “/” sign. 30/5 = 6
  - Use of “anti”, “non”, and “under” as prefixes: In general, for the purpose of clarity, follow these terms with hyphens when the same letter will appear twice, if non-hyphenated. Examples include “anti-inflammatory”, “non-numerical”, and “under-recognized.”
  - Use of commas for items in a series. For series of 3 or more, set off each item with a comma, including a terminal comma before the word, “and.” Example: *The grocery list included milk, eggs, and ham.*
• Use of et al in text. Do not use et al in the body text of a manuscript. Lok and colleagues, or Lok and others, and Lok and associates versus Lok et al.
• Use of id est (ie): Do not use as “i.e.” but simply as “ie.” Use “ie” sparingly. Example: Forests help provide us with books, ie, paper is made of wood from trees.
• Use of exempli gratia (eg): Do not use as “e.g.” but simply as “eg.” Use “eg” sparingly. Example: The automobile had many desired features, eg, an MP3 player.
• Use of et al: Do not follow “al” with a period.
• Suggestion: AJKD, NKF, KDOQI, DOQI, KT/V, and USRDS do not need to be spelled out
• Suggestion: Use U.S. English spellings where possible, eg, hemoglobin versus haemoglobin
Standard Abbreviations for ACKD

To improve readability, only standard abbreviations should be used and all abbreviations should be expanded at first mention. Abbreviations in titles, abstracts, and running heads should be avoided. Following is a list of standard abbreviations for ACKD:

ACE, angiotensin-converting–enzyme
ACR, albumin-to-creatinine ratio
ADH, antidiuretic hormone
ADP, adenosine diphosphate
ADPKD, autosomal dominant polycystic kidney disease
AKI, acute kidney injury
AKIN, Acute Kidney Injury Network
ANCOVA, analysis of covariance
MANOVA, multivariate analysis of variance
MANCOVA, multivariate analysis of covariance
ANOVA, analysis of variance
ARB, angiotensin-receptor blocker
ARF, acute renal failure
ASN, American Society of Nephrology
AST, American Society of Transplantation
ATP, adenosine triphosphate
ATPase, adenosine triphosphatase
AVF, arteriovenous fistula
AVG, arteriovenous graft
AVP, arginine vasopressin
BEE, basal energy expenditure
BMI, body mass index
BP, blood pressure
BPH, benign prostatic hypertrophy
BSA, body surface area
BUN, blood urea nitrogen
cAMP, cyclic adenosine monophosphate
CAPD, continuous ambulatory peritoneal dialysis
CCPD, continuous cycling peritoneal dialysis
Chr, content of hemoglobin in reticulocytes
Cl, cardiac index
CKD, Chronic Kidney Disease
CMS, Center for Medicare and Medicaid Services
CO, cardiac output
CPG, clinical practice guideline
CPM, clinical performance measure
CRBSI, catheter-related bloodstream infection
CRP, c-reactive protein
CRRT, continuous renal replacement therapy
CVVH, continuous venovenous hemofiltration
CVVHDF, continuous venovenous hemodiafiltration
DEA, Drug Enforcement Administration
DKA, diabetic ketoacidosis
DKD, diabetic kidney disease
DM, diabetes mellitus
DT, distal tubule
ECF, extracellular fluid
eGFR, estimated glomerular filtration rate
EPO, erythropoietin
ERPF, effective renal plasma flow
ESA, erythropoiesis-stimulating agent
ESKD, end-stage kidney disease
ESRD, end-stage renal disease
ESWL, extracorporeal shock wave lithotripsy
ET, endothelin
FDA, Food and Drug Administration
FE, fractional excretion
FENa, fractional excretion of sodium
FF, filtration fraction
FGF, fibroblast growth factor
GFR, glomerular filtration rate
GH, growth hormone
Hb, hemoglobin
Hct, hematocrit
HD, hemodialysis
HF, hemofiltration
Hgb, hemoglobin
HTN, hypertension
IDPN, intradialytic parenteral nutrition
IL, interleukin
IGF, insulin-like growth factor
IMCD, inner medullary collecting duct
iPTH, intact parathyroid hormone
KDIGO, Kidney Disease: Improving Global Outcomes
MCD, medullary collecting duct
MDRD, Modification of Diet in Renal Disease
NO, nitric oxide
nPCR, normalized protein catabolic ratio
nPNA, normalized protein nitrogen appearance
NSAID, non-steroidal anti-inflammatory drug
NSS, normal saline solution
OMCD, outer medullary collecting duct
OPTN, Organ Procurement and Transplantation Network
PCNL, percutaneous nephrolithostomy
PD, peritoneal dialysis
PKD, polycystic kidney disease
PNA, protein nitrogen appearance
PT, proximal tubule
PTH, parathyroid hormone
QALY, quality of life-years adjusted
QoL, quality of life
RCC, renal cell carcinoma
RCT, randomized controlled trial
rHuEpo, recombinant human erythropoietin
RPF, renal plasma flow
RRT, renal replacement therapy
RTA, renal tubular acidosis
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<thead>
<tr>
<th>Acronym</th>
<th>Full Form</th>
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<tr>
<td>SGA</td>
<td>subjective global assessment</td>
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<tr>
<td>SHBG</td>
<td>sex hormone binding globulin</td>
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<tr>
<td>TAL</td>
<td>thick ascending limb</td>
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<tr>
<td>TALH</td>
<td>thick ascending limb of Henle</td>
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<tr>
<td>TBG</td>
<td>thyroid-binding globulin</td>
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<td>TBW</td>
<td>total body water</td>
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<td>TGF</td>
<td>transforming growth factor</td>
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<td>TNF</td>
<td>tumor necrosis factor</td>
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<td>TPN</td>
<td>total parenteral nutrition</td>
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<tr>
<td>TSAT</td>
<td>transferrin saturation</td>
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<tr>
<td>TSH</td>
<td>thyroid stimulating hormone</td>
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<td>UACR</td>
<td>urine albumin-to-creatinine ratio</td>
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<td>UNOS</td>
<td>United Network for Organ Sharing</td>
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<tr>
<td>URR</td>
<td>urea reduction ratio</td>
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<tr>
<td>UTI</td>
<td>urinary tract infection</td>
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