

Nephrology Nursing *Journal*

Journal of the American Nephrology Nurses Association

Nephrology Nursing Journal Style Guide

Revised: July 1, 2020

NNJ Style Guide

Style Guides are designed to provide guidelines for authors. The content is not all-inclusive, but it represents the format style of *NNJ* and the most commonly accepted terms, abbreviations, and acronyms in the specialty of nephrology nursing, and addresses frequently asked style questions. It is a companion to the *NNJ Author Guidelines* which provide information on submitting a manuscript to *NNJ*. For information on questions not addressed in the *NNJ Style Guide*, the *NNJ Author Guidelines*, or the *APA Publication Manual*, please contact the *NNJ* staff (nephrologynursing@ajj.com).

NNJ follows the guidelines established by the *Publication Manual of the American Psychological Association (APA)*, 7th edition (2020), and the recommendations on nomenclature for kidney function and disease from The Kidney Disease: Improving Global Outcomes (KDIGO) Consensus Conference (2020, available for download at <https://kdigo.org/wp-content/uploads/2018/10/Nomenclature-Conference-Report.pdf>).

This Style Guide includes

- Formatting the Manuscript
- General Style Issues
- Terms and Abbreviations – General
- Government and Health Care Organizations – Names and Abbreviations
- Professional Credentials, Certifications, Titles, and Licenses with Abbreviations
- KDIGO Nomenclature May 2020 - KDIGO Consensus Conference Report on Nomenclature for Kidney Function and Disease

The *NNJ Style Guide* is a dynamic document. It is updated as new and more frequently used terms and abbreviations are noted. If you have terms and abbreviations that you believe should be included or corrections, please email *NNJ* Editor-in-Chief Beth Ulrich (BethTUlrich@gmail.com).

Formatting the Manuscript

Order of the Manuscript

The following order should be followed for all manuscripts submitted to *NNJ* including department submissions.

- Title Page – Include
 - title of the manuscript
 - the names of the author(s) with their credentials
 - keywords – Three to five words/phrases typically used when people are searching for information (e.g., hemodialysis, transplantation, work environment).
- Author Information – For each author, provide the
 - Name
 - Credentials - In the order designated by the ANA 2009 Position Statement: education (list highest attained degree first), licensure (state designation or requirement), national certification (earned), awards and honors, other certifications
 - Current job title, name of employer, city and state of employer
 - If applicable, any current ANNA leadership position titles
 - If applicable, ANNA chapter of which the author is a member
 - Contact information, including email address, phone number, and land mail address (home address preferred).
 - Disclosure statement. Include a statement signed by all authors that the contents, in whole or in part, have not been previously reported, and are not under consideration for publication elsewhere, nor will be, until a decision is made by the *Nephrology Nursing Journal* Editor.
 - Indicate which author is the primary author or the corresponding author
- Acknowledgement of funding or other contributions (include only if applicable)
- Other acknowledgements (include only if applicable)
- Abstract (75-125 words) – The abstract should be written as one paragraph
- Key words – Provide several key words that describe the content and can be used in searches
- Learning outcome
- Manuscript text
- References
- Tables (start each on a separate page)
- Figures (start each on a separate page)

Technical Format

Manuscripts should be submitted using MS Word. The manuscript should be submitted in a 12-point font (preferably Times New Roman or Arial), be double spaced, and have at least one inch (1”) margins. The text in the body of the manuscript should be indented at the

Nephrology Nursing Journal Style Guide

beginning of each paragraph. A running header (shortened title) and page number should be included at the top of each page of the manuscript except for the title page. Reference software programs (including the program that comes with MS Word) should NOT be used.

Headings

NNJ uses four levels of headings in the body of the manuscript:

First Level (bold, left justified, underlined, Arial font, 12 point)

Second Level (bold, left justified, Times New Roman font, 12 point)

Third level. (bold, at the start of the paragraph, Times New Roman font, 12 point)

Fourth level. (italicized, at the start of the paragraph, Times New Roman, 12 point)

Punctuation Guidelines

Spacing – Insert one space after commas, colons, semicolon, and periods.

Commas – Within a sentence, use commas to separate three or more elements that do not have internal commas (for example – apples, oranges, and bananas); use semicolons to separate three or more elements that have internal commas.

Quotation marks – Use double quotation marks when quoting material directly from the source, the first time a word or phrase is used for an invented or coined expression, and to set off the title of an article or chapter when the title is mentioned in the text. Do not use double quotation marks to identify the anchors of a scale or to introduce a technical term – italicize them instead. Do not use double quotation marks to enclose block quotations of 40 or more words.

Bullet points – If each bullet point is a complete sentence, start each with a capital letter and end each with a period. If the bullet points are a list, then end each bullet point with a comma or semicolon as noted above. End the last bullet point with a period.

Tables, Figures, and Photographs

Each table and figure (including photographs, which are considered to be figures) should appear on a separate page after the reference section. Each table and figure should have a title at the top and any sources or permissions for the use of the table listed under the table/figure. For figures, make sure to submit the figure in a format that can be recreated for publication. If the figure is a graph, for example, submit the graph in a format that includes access to the data used to create the graph. The data in the tables and figures should be carefully checked for accuracy – make sure all the numbers that should add up actually do add up.

Photographs must be of high resolution. If the table or figure is taken from another source, include a full reference citation. Obtaining permission to reprint another's work is the responsibility of the author. In addition, photographs that contain the image of an

individual or individuals must be accompanied by signed releases from those individuals stating that they give permission for the photograph to be used in *NNJ*.

Citations and References

The purpose of citations and references is for readers to be able to find the sources cited. Citations and references must follow the guidelines in the *APA Publication Manual*, 7th edition, 2020. Examples are provided below. For other types of citations or references, refer to the *APA Publication Manual*, Chapter 8: Works Credited in the Text.

Citations

Citations should be from primary (original) sources and should be as current as possible.

Citations from references with one or two authors should list all authors in each citation. (Kear, 2019; Ulrich & Robbins, 2020).

Citations from references with three or more authors should list the first author followed by et al. on all citations. (Colaneri et al., 2018)

When multiple citations are listed for the same information, they should be listed in alphabetical order, with each citation – except the last – followed by a semi-colon. (Colaneri et al., 2018; Dutka et al., 2019; Kear, 2018; Ulrich & Robbins, 2020)

References

Reference information should be obtained from the original (primary) source. There should be a reference for each source cited in the manuscript. References should be listed in alphabetical order at the end of the manuscript and should begin on a new page.

Authors are encouraged to provide digital object identifier (DOI) numbers, when available, at the end of the reference. Use the DOI hyperlink for references that include DOI numbers (e.g., <https://doi.org/10.37526/1526-744X.2020.47.1.7>).

For references with up to 20 authors, all author names should be listed. When there are 21 or more authors, list the first 19 authors followed by an ellipsis and the final author's name.

When there is more than one reference by the same author, the references by that author should be listed in order of the publication years with the earliest article listed first. When there is more than one reference by the same author in the same year, those references should be ordered alphabetically by the first word of the title and a lowercase suffix should be added to the year beginning with the letter “a” (i.e., 2019a, 2019b).

Nephrology Nursing Journal Style Guide

References for an entire book must contain the name(s) of the author(s), year of publication, title of book, edition of book (if multiple additions have been printed), and the name of the publisher.

Examples:

Author, A.A. (2018). *Title of book*. Publisher.

Editor, A.A. (Ed.) (2019). *Title of book*. Publisher.

References for a book chapter must include information on the chapter as well as on the book as a whole.

Example:

Author, A.A., & Author, B.B. (2018). Title of chapter. In A. Editor & B. Editor (Eds.), *Title of book* (pp. xxx-xxx). Publisher.

References for articles must include the name(s) of the author(s), year of publication, title of the article, name of the journal, volume number, issue number, page numbers, and DOI number, if available. In addition, if the article can be retrieved online by readers, the article's web address should also be included.

Examples:

Author, A.A., Author, B.B., & Author, C.C. (2020). Title of article. *Journal Name, Volume number* (issue number), pages. (For page numbers, list the first page of the article and the last page of the article. If there are additional pages, they are listed following the consecutive pages. Example 101-110, 124).
<http://doi.org/10.1016/j.midw.2019.09.010>

Author, A.A., Author, B.B., & Author, C.C. (2017). Title of article. *Journal Name, 10*(2), 101-110.

Author, A.A., Author, B.B., Author, C.C., Author, D.D., Author, E.E., Author, F.F., Author, G.G., Author, H.H., Author, I.I., Author, J.J., Author, K.K., Author, L.L., Author, M.M., Author, N.N., Author, O.O., Author, P.P., Author, Q.Q., Author, R.R., Author, S.S., ... Author, Z.Z. (2018). Title of article. *Journal Name, 10*(2), 101-110.
<http://doi.org/10.1020/ajkd.2019.09.010>

General Style Issues

Using Bias-Free Language

NNJ adheres to APA (2020) guidelines regarding the use of bias-free language. The overall principle of bias-free language is that the integrity of all human beings should be maintained and that they should not be described by language that objectifies them, implies prejudicial beliefs, or “perpetuates biased assumptions against persons on the

basis of age, disability, gender, participation in research, racial or ethnic identity, sexual orientation, socioeconomic status, or some combination of these or other personal factors (e.g., marital status, immigration status, religion)” (p. 131). Bias-free language focuses on the individual, emphasizing the person, not the person’s disabilities or chronic conditions (for example, use "patients on hemodialysis" rather than "hemodialysis patients" and use “people with diabetes” instead of “diabetics”).

Use of Primary Sources

Primary sources are the original sources of information, such as the original report of a research study. You should not rely on other people's interpretation(s) of what was reported in another publication. If Author A cites Author B's publication as the source for information in Author A's article, then you should read Author B's publication and confirm Author A's interpretation or, better yet, create your own interpretation. You also should not copy reference information from Author A's article, but should confirm the correct reference information before including it in your article.

Units of Measure

In general, *NNJ* uses the metric system and adheres to the International System of Units (SI) and its abbreviations. Metric units are preferred for measurements of volume, weight, height, and length. Refer to the *Publication Manual of the APA, 7th Edition (2020)* for more details. Conversion information may be included in parentheses as appropriate.

NNJ uses the metric system, adheres to the International System of Units (SI) and its abbreviations, and follows the guidelines of the *Publication Manual of the APA, 7th Edition (2020, chapter 6)* on units of measure and abbreviations for units of measure. Conversion information may be included in parentheses as appropriate.

Names of Pharmaceuticals, Devices, etc.

Nonproprietary names of pharmaceutical products, devices, etc. should be used at all times unless the brand/trade name is relevant to the content.

Numbers

The *Nephrology Nursing Journal* follows the guidelines of the *Publication Manual of the APA, 7th Edition (2020)*.

- In general, use numerals for numbers 10 and above and words to express numbers below 10.
- Use numbers for:
 - numbers 10 and above (cardinal and ordinal numbers)
 - numbers that immediately precede a unit of measurement;
 - numbers that represent statistical or mathematic functions, fractions, decimal quantities, percentages, ratios, and the like;
 - numbers that represent time, dates, ages, scores, points on a scale, exact sums of money, and numerals as numerals;

- numbers that denote a specific place in a numbered series, and parts of books and tables.
- Use words for numbers and for common fractions that begin a sentence, title, or heading.
- Use a zero before the decimal point with numbers that are less than one when the statistic can exceed one.
- Be consistent with the number of decimal places used in comparative data.

Statistical Abbreviations and Symbols

The *Nephrology Nursing Journal* follows the guidelines of the *Publication Manual of the APA, 7th Edition* (2020, chapter 6) on statistical abbreviations and symbols.

Units of Time/Symbols

In general, the *Nephrology Nursing Journal* uses the metric system and adheres to the International System of Units (SI) and its abbreviations.

Chemical Components

In general, names of chemicals should be written out, however, in some cases, such as in figures, it is necessary to abbreviate the names.

- Ammonia – NH₃
- Ammonium – NH₄⁺
- Bicarbonate – HCO₃⁻
- Calcium – Ca²⁺
- Carbon dioxide – CO₂
- Carbonic acid - H₂CO₃
- Chloride - Cl⁻
- Hydrogen – H⁺
- Hydrochloric acid – HCl
- Magnesium – Mg²⁺
- Phosphate - PO₄⁻
- Potassium - K⁺
- Sodium - Na⁺
- Sodium dihydrogen phosphate – NaH₂PO₄⁻
- Sodium chloride – NaCl
- Sodium monohydrogen phosphate – NaHPO₄²⁻
- Water - H₂O

Miscellaneous Style Issues

- The term ‘dialysis’ is a general term that is used to mean all types of dialysis. Terms like “hemodialysis” and “peritoneal dialysis” should be used for specific types of dialysis.
- Incident cases vs. prevalent cases – The term “incident cases” refers to new cases; the term “prevalent cases” refers to all existing cases
- “Healthcare” vs. “health care” – which to use? Some people use “healthcare” as an adjective (e.g., healthcare personnel) and “health care” when the word “health” is describing the care (e.g., health care vs. illness care); however, this can be confusing. According to the APA, the term “health care” is the correct term in both cases. Therefore, NNJ uses “health care” as two words.
- “Medical care” vs. “health care” – when to use? The term “medical care” is often incorrectly used when describing health care, nursing care, etc. Use the term “medical care” only when referring specifically to medical care.
- Racial and Ethnic Terms – Racial and ethnic groups are designated by proper nouns and are capitalized (e.g., White, Black, Hispanic, Native American).
- Use of a comma in a series of items – Use a comma between elements in a series of three or more items, including before the final item. The last comma is called a serial comma or Oxford comma. Incorrect example – He lived with his brother, son and wife. Correct example – He lived with his brother, son, and wife.
- Advance care planning, NOT advanced care planning; advance directive, NOT advanced directive
- Generic drug names use lower case at the beginning of the drug's name.
- Diabetes – type 1 diabetes, type 2 diabetes (not Type 1, Type 2)
- Vitamin D3 (not D₃)
- The correct way to express decades of time is 1990s, not 1990’s. The correct way to express the plural form of credentials is RNs (not RN’s), MDs (not MD’s), APRNs (not APRN’s), etc. The ‘s denotes the possessive form of the term rather than the plural form.
- i.e. and e.g. – i.e. is the abbreviation for the Latin phrase “id est” meaning “that is” and e.g. is for “exempli gratia” meaning “for example.” Use “i.e.” when you wish to explain something further and use “e.g.” when you are giving examples. Both should be used in parentheses. When in doubt, use neither and just say “for example” or “that is” or other explanatory phrases in the text.
- email – no hyphen; website; internet
- Magnet® (not magnet, in reference to ANCC’s Magnet Recognition Program). Also, use ® on first mention of both Magnet and the Magnet Recognition Program.

Note: Updates to the APA guidelines as well as frequently asked questions can be found at www.apastyle.org

Terms & Abbreviations

NNJ allows the use of common abbreviations. When deciding whether or not to use an abbreviation, consider the readers' familiarity with the abbreviation and whether or not the use of the abbreviation(s) makes the information easier to read or not. In any case in which an abbreviation is not in common use or may be confused with a similar abbreviation, an abbreviation should NOT be used. *NNJ* also does not permit the use of any abbreviations that are on The Joint Commission 'do not use' list.

All abbreviations should be spelled out on first use.

General Terms and Abbreviations

AB – antibody

ABG – arterial blood gases

ACA – Affordable Care Act (The full name is the Patient Protection and Affordable Care Act.)

ACE – angiotensin converting enzyme

ACLS – advanced cardiac life support

ACO – accountable care organization

ACPB – aluminum-containing phosphate binders

ACR – urinary albumin-creatinine ratio

ACT – activated clotting time

ADH – antidiuretic hormone

ADL – activities of daily living

ADP – adenosine diphosphate

ADPKD – autosomal dominant polycystic kidney disease

AER – urinary albumin excretion rate

AIDS – acquired immunodeficiency syndrome

AKD – acute kidney disease – AKI, or GFR less than 60/mL/1.73m², or markers of kidney damage for 3 months or less, or decrease in GFR by 35% or greater or increase in SCr by 50% or greater for 3 months or less (KDIGO)

AKI – acute kidney injury – subcategory of AKD; oliguria for more than 6 hours, rise in SCr level by more than 0.3 mg/dL or by more than 50% in 1 week (KDIGO)

AKI stage 1

AKI stage 2

AKI stage 3

AKI stage 3D – acute kidney injury treated by dialysis

AMA – against medical advice

AMI – acute myocardial infarction

APD – automated peritoneal dialysis

APGN – acute postinfectious glomerulonephritis

APTT – activated partial thromboplastin time

ARB – angiotensin receptor blocker

Nephrology Nursing Journal Style Guide

ARDS – acute respiratory distress syndrome

ARF – acute renal failure

ASA – acetylsalicylic acid

ASAP – as soon as possible

AST – aspartate aminotransferase

ATN - acute tubular necrosis

ATP – adenosine triphosphate

AV – arteriovenous

AVF – arteriovenous fistula

AVG – arteriovenous graft

AVR – aortic valve replacement

Albuminuria and proteinuria categories

Normal – AER less than 10 mg/d; ACR less than 10 mg/g (less than 1mg/mmol)

Mild – AER 10-29 mg/d; ACR 10-29 mg/g (1.0-2.9/ mmol)

A1 – Normal to mildly increased (normal to mild) albuminuria or proteinuria; AER less than 30 mg/d; ACR less than 30 mg/g (less than 3 mg/mmol); PER less than 150 mg/d; PCR less than 150 mg/g (less than 15 mg/mmol)

A2 – Moderately increased (moderate) albuminuria or proteinuria; AER 30-300 mg/d; ACR 30-300 mg/g (less than 1 mg/mmol); PER less than 150 mg/d; PCR less than 150 mg/g (less than 15 mg/mmol)

A3 – Severely increased (severe) albuminuria or proteinuria; AER greater than 300 mg/d; ACR greater than 300 mg/g (more than 30 mg/mmol); PER greater than 500 mg/d; PCR greater than 500 mg/g (greater than 50 mg/mmol)

BCG – bacillus Calmette-Guerin vaccine

BFR – blood flow rate

BMD – bone mineral disorder

BMI – body mass index

BP – blood pressure

BPS – biopsychosocial

BUN – blood urea nitrogen

BV – blood volume

CA – carbonic anhydrase

CABG – coronary artery bypass graft

CAD – coronary artery disease

cAMP – cyclic adenosine monophosphate

CAPD – continuous ambulatory peritoneal dialysis

CAT – computerized axial tomography

CAUTI – catheter-associated urinary tract infections

CAVH – continuous arterio-venovenous hemofiltration

CBC – complete blood count

CBT – cognitive behavior therapy

CCPD – continuous cyclic peritoneal dialysis

CE – continuing education

CfC – CMS Conditions for Coverage

Nephrology Nursing Journal Style Guide

CFU – colony forming units
CHF – congestive heart failure
CHr – reticulocyte hemoglobin content
CKD – chronic kidney disease – GFR less than 60 mL/1.73² or markers of kidney damage for more than 3 months (KDIGO)
CKD G5 without KRT - CKD G1-G5, A1-A3 of any cause, not receiving dialysis or transplantation
CKD G1T-G5T – CKD G1-G5 after transplantation
CKD G5D – CKD G5 treated by dialysis
CKD Risk Categories
CKD low risk – CKD risk category low; Refers to G1A1, G2A1
CKD moderate risk – CKD risk category moderately high; Refers to G1A2, G2A2, G3aA1
CKD high risk – CKD risk category high; Refers to G1A3, G2A3, G3aA2, G3bA1
CKD risk category very high risk - CKD risk category high risk; Refers to G3aA3, G3bA2, G3bA3, G4A1, G4A2, G4A3, G5A1, G5A2, G5A3
Cl⁻ – chloride. Caution: Can be confused with the abbreviation for clearance (Cl) when used for chloride.
Cl – clearance. Caution: Make sure it is clear that Cl does not mean chloride (Cl⁻) when used for clearance.
CLABSI – central line-associated blood stream infection
C_{max} – maximum concentration
CME – continuing medical education
CMV – cytomegalovirus
CON – certificate of need
CoP – CMS Conditions of Participation
COPD – chronic obstructive pulmonary disease
COVID-19 – coronavirus disease
CPK – creatinine phosphokinase
CPM – clinical performance measure
CPR – cardiopulmonary resuscitation
CPT – current procedural terminology
CQI – continuous quality improvement
Cr – creatinine
CrCl – creatinine clearance
CRM – crew resource management
CRP – C-reactive protein
CKRT – continuous kidney replacement therapy
CSF – cerebrospinal fluid
CT – computerized tomography
CV – coefficient of variation
CVC – central venous catheter
CVD – cardiovascular disease
CVP – central venous pressure

Nephrology Nursing Journal Style Guide

CVVH – continuous venovenous hemofiltration

DDKT – deceased donor kidney transplant/transplantation

DFO – deferoxamine

DI – deionization

DM – diabetes mellitus

DME – durable medical equipment

DNA – deoxyribonucleic acid

DNR – do not resuscitate

DPOA – durable power of attorney

DRGs – diagnosis related groups

DSA – donor specific antibody

DSM – Diagnostic and Statistical Manual of Mental Disorders (note edition - III, III-R, IV)

EBL – estimated blood loss

EBP – evidence-based practice

EBV – Epstein Barre Virus

ECF – extracellular fluid

ECFV – extracellular fluid volume

ECG – electrocardiogram

eCL – estimated clearance

eCL_{cr} – estimated clearance using creatinine

ECMO – extracorporeal membrane oxygenation

ECV – extracellular volume

ED – emergency department

EDW – estimated dry weight

eGFR – estimated glomerular filtration rate

eGFR_{cr} – estimated glomerular filtration rate using creatinine

eGFR_{cys} – estimated glomerular filtration rate using cystatin C

eGFR_{cr-cys} – estimated glomerular filtration rate using creatinine and cystatin C

EKG – electrocardiogram

ELISA – enzyme-linked immunosorbent assay

EOL – end-of-life (used as an adjective, e.g. EOL care)

EPO - erythropoietin

ePTFE – expanded polytetrafluoroethylene

ER – emergency room

ESA – erythropoietin stimulating agent

FBG – fasting blood glucose

Fe – iron

FE_{Na} – fractional excretion of sodium

FMEA – Failure Modes and Effects Analysis

FR_{Na} – fractional reabsorption of sodium

FSGS – focal segmental glomerular sclerosis

FSH – follicle-stimulating hormone

Nephrology Nursing Journal Style Guide

FTE – full-time equivalent

GBS – Guillian Barre Syndrome

GBM – glomerular basement membrane

GERD – gastroesophageal reflux disease

GFR – glomerular filtration rate. Specify units in mL/min/1.73²

GFR categories

G1 – Normal to increased GFR; GFR at or above 90 mL/min/1.73m²

G2 – Mildly reduced GFR; GFR 60-89 mL/min/1.73m²

G3a – Moderately reduced GFR; GFR 45-59 mL/min/1.73m²

G3b – Moderately reduced GFR; GFR 30-44 mL/min/1.73m²

G4 – Severely reduced GFR; GFR 15-29 mL/min/1.73m²

G5 – Kidney failure; GFR less than 15 mL/min/1.73m² or treated by dialysis

GFR reserve (do not use “renal function reserve”)

GI – gastrointestinal

GN – glomerulonephritis

H&P – history and physical

HAI – health care-associated infection

HAV – hepatitis A virus

HBIG – hepatitis B immunoglobulin

HBsAg – hepatitis B surface antigen

HBV – hepatitis B virus

HCAHPS – Hospital Consumer Assessment of Healthcare Providers and Systems

HCP – health care provider

HCQIP – Health Care Quality Improvement Program

HCV – hepatitis C virus

Hct – hematocrit

HD – hemodialysis

HDF – hemodiafiltration

HDL – high density lipoprotein

HF – hemofiltration

Hg – mercury

Hgb – hemoglobin

HHD – home hemodialysis

HIPAA – Health Insurance Portability and Accountability Act

HIT – heparin-induced thrombocytopenia

HIV – human immunodeficiency virus

HLA – human leukocyte antigen

HMO – health maintenance organization

HR – heart rate

HRO – high reliability organization

HRT – hormone replacement therapy

HRQoL – health related quality of life

HSP – Henoch Schonlein Purpura

Nephrology Nursing Journal Style Guide

HSV – herpes simplex virus

Ht – height

HTML – hypertext markup language

HTN – hypertension

HWE – healthy work environment

HZV – herpes zoster virus

ICD-9 – International Classification of Diseases, Ninth Revision

ICD-10 – International Classification of Diseases, Tenth Revision

ICF – intracellular fluid

ICU – intensive care unit

IDDM – insulin-dependent diabetes mellitus

IDWG – interdialytic weight gain

IgA – immunoglobulin A

IM – intramuscular

INR – international normalized ratio

IP – intraperitoneal

IPN – intraperitoneal nutrition

iPTH – intact parathyroid hormone

IRB – Institutional Review Board

ISG – immune serum globulin

ISN – international sensitivity index

IV – intravenous

IVC – inferior vena cava

IVIG – intravenous immune globulin

IVP – intravenous pyelogram

JGA – juxtaglomerular apparatus

KDIGO – Kidney Disease: Improving Global Outcomes

KDOQI – Kidney Disease Outcomes Quality Initiative

KF – kidney failure (as defined in the KDIGO guideline – $GFR < 15\text{mL}/\text{min}/1.73\text{m}^2$ or treatment by dialysis)

KFRT – kidney failure with replacement therapy - CKD G5 treated by dialysis or CKD G1-G5 after transplantation

KRT – kidney replacement therapy

Kuf – ultrafiltration coefficient

Kt/V – measurement of dialysis adequacy; K = urea clearance, t = treatment time, V = volume of urea distribution

KUB – Kidneys, ureter, bladder

LBV – low biologic value

LD – living donor

LDKT – living donor kidney transplant/transplantation

LDL – low density lipoprotein

Nephrology Nursing Journal Style Guide

LH – luteinizing hormone
Long-term or maintenance dialysis (dialysis for CKD)

LOS – length of stay

LRD – living related donor

LRSP – long-range strategic plan

LTC – long term care

LVH - left ventricular hypertrophy

LVMI – left ventricular mass index

LVN – licensed vocational nurse

LWCT – lee white clotting time

MANOVA – multivariate analysis of variance

MAP – mean arterial pressure

mCL – measured clearance

mCL_{UN} – measured clearance using urea nitrogen

mCL_{cr} – measured clearance using creatinine

mCL_{UN-cr} – measured clearance using urea nitrogen and creatinine

MCO – managed care organization

MCP – monthly capitated payment

mGFR – measured glomerular filtration rate

MICU – medical intensive care unit

MMPI – Minnesota Multiphasic Personality Inventory

moAb - monoclonal antibody

MPGN – membranous proliferative glomerulonephritis

MRI – magnetic resonance imaging

mRNA – messenger ribonucleic acid

MRSA – methicillin-resistant staphylococcus aureus

MSK – medullary sponge kidney

MVP – mitral valve prolapse

MVR – mitral valve replacement

MW – molecular weight

NIDDM – non-insulin dependent diabetes mellitus

NFP – net filtration pressure

NG – nasogastric

NICU – neonatal intensive care unit

NKA – no known allergies

NKF-KDOQI – National Kidney Foundation - Kidney Disease Outcomes Quality Initiative

NMR – nuclear magnetic resonance

NPCR – normalized protein catabolic rate

NPO – nothing by mouth

NPRM – notice of proposed rule making

NSAID – nonsteroidal anti-inflammatory drug

OBRA – Omnibus Budget Reconciliation Act

Nephrology Nursing Journal Style Guide

OPO – organ procurement organization

OR – operating room

OT – occupational therapy

OTC – over the counter

PaCO₂ – partial pressure of carbon dioxide, arterial

PACU – post-anesthesia recovery unit

PAK – pancreas after kidney (transplant)

PaO₂ – partial pressure of oxygen, arterial

PCO₂ – partial pressure of carbon dioxide

PCP – primary care provider

P_{cr} – plasma creatinine

PCR – polymerase chain reaction. Caution: Make sure it is clear that PCR does not mean protein-creatinine ratio which is also sometimes abbreviated as PCR.

PCR – protein-creatinine ratio. Caution: Make sure it is clear that PCR does not mean polymerase chain reaction which is also sometimes abbreviated as PCR.

PCTA – percutaneous transluminal angioplasty

PD – peritoneal dialysis

PDCA – plan, do, check, act

PDSA – plan, do, study, act

PER – urinary protein excretion rate

PET – peritoneal equilibration test

PICC – peripherally inserted central catheter

PICU – pediatric intensive care unit

PKD – polycystic kidney disease

PKU – phenylketonuria

PPD – purified protein derivative

PPM – parts per million

PRA – panel reactive antibody

Pr/Cr – protein to creatinine

PSA – prostate specific antigen

PSDA – Patient Self-Determination Act

PSGN – post streptococcal glomerular nephritis

PSVT – paroxysmal supraventricular tachycardia

PT – physical therapy

PTFE – polytetrafluorethylene

PTH – parathyroid hormone

PTT – prothrombin times

PUD – peptic ulcer disease

PVC – polyvinyl chloride

PVD – peripheral vascular disease

QA – quality assurance

Qb – blood flow

Qd – dialysate flow. Caution – Make sure it is clear that Qd does not mean each day (QD).

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QI – quality improvement

QoL – quality of life

RBC – red blood cell

RBF – renal blood flow

RCT – randomized control trial

RDA – recommended daily allowance

RDS – respiratory distress syndrome

RKF – residual kidney function

rHuEPO (or rEPO) - recombinant human erythropoietin

RIA – radioimmunoassay

RNA – ribonucleic acid

RO – reverse osmosis

RPGN – rapidly progressive glomerulonephritis

RRA – radioreceptor assay

SaO₂ - oxygen saturation

SCT – sickle cell trait

SES – socioeconomic status

SG (or sp gr) – specific gravity

SGOT – serum glutamic-oxaloacetic transaminase

SGPT – serum glutamic-pyruvic transaminase

Short-term dialysis (dialysis for AKD)

SICU – surgical intensive care unit

SIR – systemic inflammatory response

SKPT – simultaneous kidney pancreas transplantation

SLE – systemic lupus erythematosus

SLED – slow low efficient dialysis

SNF – skilled nursing facility

SOB – shortness of breath

SPK – simultaneous pancreas and kidney (transplant)

SPN – Specialty Practice Network

SQ – subcutaneous

TAC – time-averaged urea concentration

TB – tuberculosis

TENS – transcutaneous electrical nerve stimulation

TF – tubule fluid

TIA – transischemic attack

TIBC – total iron binding capacity

TMP – transmembrane pressure

tPA – tissue-type plasminogen activator

TPE – therapeutic plasma exchange

TPN – total parenteral nutrition

TPR – temperature, pulse, respiration

Nephrology Nursing Journal Style Guide

TQM – total quality management

TR – tubular reabsorption

TS – tubular secretion

TSAT – transferrin saturation

TTP – transition to practice

UF – ultrafiltration

UFR – ultrafiltration rate

URI – upper respiratory infection

Urinary ACR – albumin-creatinine ratio

Urinary PCR – urinary protein-creatinine ratio. Caution: Make sure it is clear that PCR does not mean polymerase chain reaction which is also sometimes abbreviated as PCR.

Urinary PER – urinary protein excretion rate

URR – urea reduction ratio

UTI – urinary tract infection

UV – ultraviolet

VHDL – very high density lipoprotein

VLDL – very low density lipoprotein

VR – virtual reality

VRE – vancomycin-resistant enterococci

VS – vital signs

VZIG – varicella-zoster immune globulin

VZV – varicella-zoster virus

WAK – wearable artificial kidney

WBC – white blood cells

WBPTT – whole blood partial thromboplastin time

WNL – within normal limits

Wt – weight

1,25-DHCC – 1,25 dihydroxycholecalciferol

The Joint Commission (2019) recommends **not using** the following abbreviations and terms.

Do Not Use

U, u to abbreviate “unit”

IU to abbreviate “international unit.” Can be mistaken for IV.

Q.D., QD, q.d., qd as abbreviations for daily. Can be misread.

Q.O.D., QOD, q.o.d., qod as abbreviations for every other day

MS – can mean morphine sulfate or magnesium sulfate

MSO₄, MgSO₄ – Can be confused for one another.

Also, take care when writing numbers as decimal points can be missed or misread

Government/Health Care Organizations – Names and Abbreviations

AABB – American Association of Blood Banks
AACN – American Association of Critical Care Nurses
AAKP – American Association of Kidney Patients
AAMI – Association for the Advancement of Medical Instrumentation
ABNS – American Board of Nursing Specialties
ABTC – American Board for Transplant Certification
ADA – American Diabetes Association
AHCPR – Agency for Health Care Policy and Research
AKF – American Kidney Fund
AMA – American Medical Association
ANA – American Nurses Association
ANCC-COA - American Nurses Credentialing Center - Commission on Accreditation
ANF – American Nurses Foundation
ANNA – American Nephrology Nurses Association
AONE – American Organization of Nurse Executives (became AONL in 2019)
AONL – American Organization of Nursing Leadership (was AONE until 2019)
AOPO – Association of Organ Procurement Organizations
APA – American Psychological Association
ASN – American Society of Nephrology
AST – American Society of Transplantation

CANNT – Canadian Association of Nephrology Nurses and Technicians
CCNA – Council on Certification of Nurse Anesthetists
CDC – Centers for Disease Control and Prevention
CES – Centers for Epidemiologic Studies
CHAP – Community Health Accreditation Program
CMS – Centers for Medicare and Medicaid Services (formerly HCFA)
CNA – Canadian Nurses' Association
C-NET – Center for Nursing Education Testing
CNNT – Council of Nephrology Nurses and Technicians
COMGAN – Commission for the Global Advancement of Nephrology
CORR – Canadian Organ Replacement Registry
CSN – Canadian Society of Nephrology

DEA – Drug Enforcement Administration
DHHS – Department of Health and Human Services

EDTNA – European Dialysis and Transplant Nurses Association
EPA – Environmental Protection Agency

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FDA – Food and Drug Administration

GAO – General Accounting Office

GPO – Government Printing Office

HCFA – Health Care Financing Administration (replaced by CMS)

HHS – Health and Human Services

HRSA – Health Resources and Services Administration

ICN – International Council of Nursing

ICN – International Council of Nephrology

IFKF – International Federation of Kidney Foundations

IHI – Institute for Healthcare Improvement

IOM – Institute of Medicine (now the National Academy of Medicine)

ISMP – Institute for Safe Medication Practices

ISN – International Society of Nephrology

ITNS – International Transplant Nurses' Society

TJC – The Joint Commission

KCP – Kidney Care Partners

NAM – National Academy of Medicine

NANDA – North American Nursing Diagnosis Association

NANT – National Association of Nephrology Technicians/Technologists

NAON – National Association of Orthopaedic Nurses

NATCO – North American Transplant Coordinators Organization

NCMRR – National Center for Medical Rehabilitation Research

NCNR – National Center for Nursing Research

NCSBN – National Council of State Boards of Nursing

NHO – National Hospice Organization

NIDDKD – National Institutes of Diabetes and Digestive and Kidney Disease

NIH – National Institutes of Health

NINR – National Institute of Nursing Research

NKF – National Kidney Foundation

NKUDAB – National Kidney and Urologic Diseases Advisory Board

NKUDIC – National Kidney and Urologic Diseases Information Clearinghouse

NLN – National League for Nursing

NNCC – Nephrology Nursing Certification Commission

NOA – Nursing Organizations Alliance

NORD – National Organization for Rare Disorders

NPSF – National Patient Safety Foundation

NRAA – National Renal Administrators Association

OCR – Office of Civil Rights

Nephrology Nursing Journal Style Guide

OIG - Office of Inspector General

OSHA - Occupational Safety and Health Administration

ProPAC - Prospective Payment Assessment Commission

QSEN - Quality and Safety Education for Nurses

RPA - Renal Physicians' Association

SNA - State nurse association

STT - Sigma Theta Tau

SUNA - Society of Urologic Nurses and Associates

TRIO - Transplant Recipient International Organization

UNOS - United Network for Organ Sharing

USDHHS - United States Department of Health and Human Services

USRDS - United States Renal Data System

VA - Veterans Administration (Caution: VA can also be the abbreviation for Virginia.)

WCRC - World Council of Renal Care

WFRC - World Foundation of Renal Care

WHO - World Health Organization

Professional Credentials, Certifications, Titles, and Licenses with Abbreviations

Note: NNJ uses the order of credentials designated by the ANA 2009 Position Statement: education (list highest attained degree first), licensure (state designation or requirement), national certification (earned), awards and honors, other certifications. Multiple degrees should only be listed if they are in different majors such as a person holding an MSN and an MBA. NNJ does not publish credentials for degrees in progress.

ACNP – Acute Care Nurse Practitioner
ADN – Associate Degree in Nursing
AGPCNP–BC – Adult Gerontology Primary Care Nurse Practitioner – Board Certified
AGACNP–BC – Adult Gerontology Acute Care Nurse Practitioner – Board Certified
AGCNS-BC – Adult Gerontology Clinical Nurse Specialist
APN – Advanced Practice Nurse
ASN – Associate of Science Degree in Nursing
APRN – Advanced Practice Registered Nurse (not Advance Practice Registered Nurse)

BA – Bachelor of Arts
BS – Bachelors in Science
BSN – Bachelor of Science in Nursing

CAN – Certified Nursing Administrator
CCHT – Certified Clinical Hemodialysis Technician
CCHT-A – Certified Clinical Hemodialysis Technician - Advanced
CCNP – Critical Care Nurse Practitioner
CCRN – Critical Care Registered Nurse
CCTC – Certified Clinical Transplant Coordinator
CD-LPN – Certified Dialysis LPN
CD-LVN – Certified Dialysis LVN
CDN - Certified Dialysis Nurse
CEN – Certified Emergency Nurse
CENP – Certified in Executive Nursing Practice
CEO – Chief Executive Officer
CFO – Chief Financial Officer
CHT – Certified Hemodialysis Technician
CIO – Chief Information Officer
CMO – Chief Medical Officer
CNA – Certified Nurse Anesthetist
CNE – Chief Nurse Executive
CNM – Certified Nurse Midwife
CNML – Certified Nurse Manager and Leader
CNN – Certified Nephrology Nurse

Nephrology Nursing Journal Style Guide

CNNe – Certified Nephrology Nurse Emeritus
CNN-NP – Certified Nephrology Nurse - Nurse Practitioner
CNO – Chief Nursing Officer
CNOR – Certified Perioperative Nurse
CNS – Clinical Nurse Specialist
CPN – Certified Pediatric Nurse
CPNP – Pediatric Nurse Practitioner
CPTC – Certified Procurement Transplant Coordinator
CRNA – Certified Registered Nurse Anesthetist
CRRN – Certified Rehabilitation Nurse
CS – Clinical Specialist

DNP – Doctor of Nursing Practice
DNS – Doctor of Nursing Science
DNSc – Doctor of Nursing Science
DO – Doctor of Osteopathy
DSN – Doctor of Science in Nursing

EdD – Doctor of Education
EMT – Emergency Medical Technician

FAAN – Fellow of the American Academy of Nursing
FACHE – Fellow in the American College of Healthcare Executives
FAONL – Fellow in the American Organization for Nursing Leadership
FNP – Family Nurse Practitioner
FNP-BC – Family Nurse Practitioner Certification
FRCP – Fellow Royal College of Physicians

GN – Graduate Nurse
GNP – Geriatric Nurse Practitioner

JD – Doctor of Jurisprudence

LCSW – Licensed Clinical Social Worker
LPN – Licensed Practical Nurse
LVN – Licensed Vocational Nurse

MA – Master of Arts
MBA – Master of Business Administration
MD – Medical Doctor
MEd – Master of Education
MHA – Master of Hospital Administration
MN – Master of Nursing
MPH – Master of Public Health
MRCP – Member Royal College of Physicians

Nephrology Nursing Journal Style Guide

MS – Master of Science

MSN – Master of Science in Nursing

NBT – Nephrology Biomedical Technologist – NANT preferred term for technologists who work with dialysis equipment.

NCT – Nephrology Clinical Technician – NANT preferred term for technicians who deal directly with patients

NE-BC - Nurse Executive - Board Certified

NEA-BC – Nurse Executive, Advanced - Board Certified

NHDP-BC – National Healthcare Disorder Certification

NNP – Neonatal Nurse Practitioner

NP – Nurse Practitioner

NPD-BC – Nursing Professional Development Certification

OCN – Certified Oncology Nurse

OT – Occupational Therapist

PA – Physician Assistant

PA-C – Physician Assistant, Certified

PCP - Primary Care Provider

PCT – Patient Care Technician. Note: The National Association of Nephrology Technicians/Technologists (NANT) believes that there are titles other than PCT that should be used that acknowledge the specific field (nephrology), discipline (clinical and/or biomedical) and function (technician or technologist) of these individuals. The NANT preferred terms are Nephrology Clinical Technician (NCTs) for technicians who deal directly with patients and Nephrology Biomedical Technologist (NBTs) for technologists who work with dialysis equipment. Transition to the terms is beginning.

PharmD – Doctor of Pharmacy

PhD – Doctor of Philosophy

PHN – Public Health Nurse

PMHNP-BC – Psychiatric-Mental Health Nurse Practitioner-Board Certified

PNP – Pediatric Nurse Practitioner

PT – Physical Therapist

RD - Registered Dietitian

RDN – Registered Dietitian Nutritionist

RGN – Registered Graduate Nurse

RN – Registered Nurse

RN-BC – Registered Nurse, Board Certified

SW – Social Worker

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KDIGO Nomenclature May 2020

KDIGO Consensus Conference Report on Nomenclature for Kidney Function and Disease – May 2020

In May 2020, KDIGO published the results of a consensus conference to develop a standardized nomenclature for kidney function and disease. The following terms and abbreviations are those recommended by the conference. They are included in the general terms and abbreviations list, but are specifically noted here. The complete report is available online (<https://kdigo.org/wp-content/uploads/2018/10/Nomenclature-Conference-Report.pdf>) with an accompanying infographic (<https://files.constantcontact.com/320aa531801/6f5e97ef-716b-4a41-8c04-f015eb2b886a.pdf>). Additional information is available in the May/June *NNJ*. *NNJ* will be using these terms – with the transition to the terms beginning in the Jul/Aug 2020 issue.

Basic Concepts for the KDIGO Nomenclature

Why uniform nomenclature on kidney function and disease?

<p style="text-align: center;">FOR CLINICIANS AND HEALTHCARE PROFESSIONALS</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p> Reduces confusion and errors in clinical practice</p> <p> Promotes consistency in research design, execution and communication</p> <p> Raises public awareness</p> </div> <div style="width: 45%; text-align: center;">  </div> <div style="width: 45%;"> <p> Facilitates communication between healthcare provider and patient</p> <p> Takes into account patient preferences and his/ her needs/ values</p> <p> Minimizes language ambiguity and mobilizes self-management and advocacy</p> </div> </div>	<p style="text-align: center;">FOR PATIENTS</p>
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GUIDING PRINCIPLES

<p> Patient centered <i>Wording should not be demoralizing or stigmatizing</i></p>	<p> Precise <i>Wording should foster accurate communication</i></p>	<p> Consistent with KDIGO guidelines <i>Adoption of definition and wording should aid evidence-based practice and guideline implementation</i></p>
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Key Take-Home Points

	<p>Use 'kidney' rather than 'renal' or 'nepbro' when referring to kidney disease and kidney function</p>	
	<p>Use 'kidney failure' with appropriate descriptions of presence or absence of symptoms, signs, and treatment <i>(rather than 'end-stage' disease since latter term is not patient-sensitive and connotes stigma)</i></p>	
	<p>Use the KDIGO definition and classification of acute kidney diseases and disorders (AKD) and acute kidney injury (AKI) <i>(rather than alternative descriptions to define and classify severity of AKD and AKI; AKI stages (1, 2, 3) should be used to denote severity of AKI)</i></p>	
	<p>Use the KDIGO definition and classification of CKD rather than alternative descriptions to define and classify CKD <i>(Ascertainment of CKD when GFR > 60 ml/min/1.73 m2 requires assessment for markers of kidney damage e.g., albuminuria. CKD should be classified according to cause and categories of GFR and albuminuria (CGA); severity of CKD should correspond to risk categories)</i></p>	
	<p>Use specific kidney measures such as albuminuria or decreased GFR to describe Alterations in kidney structure and function, respectively <i>(rather than general descriptors such as 'abnormal' or 'reduced' kidney function)</i></p>	
<i>Do not equate albuminuria or proteinuria as 'decreased kidney function' since they are markers of kidney damage</i>		

Source: KDIGO. Used with permission

KDIGO Definition and Classification of CKD

CURRENT CHRONIC KIDNEY DISEASE (CKD) NOMENCLATURE USED BY KDIGO

CKD is defined as abnormalities of kidney structure or function, present for > 3 months, with implications for health. CKD is classified based on cause, GFR category (G1–G5), and albuminuria category (A1–A3), abbreviated as CGA.

Prognosis of CKD by GFR and albuminuria category

web 4C/FPO

Prognosis of CKD by GFR and albuminuria categories: KDIGO 2012

				Persistent albuminuria categories, description and range		
				A1	A2	A3
				Normal to mildly increased	Moderately increased	Severely increased
				<30 mg/g <3 mg/mmol	30–300 mg/g 3–30 mg/mmol	>300 mg/g >30 mg/mmol
GFR categories (ml/min/1.73 m ²), description and range	G1	Normal or high	≥90			
	G2	Mildly decreased	60–89			
	G3a	Mildly to moderately decreased	45–59			
	G3b	Moderately to severely decreased	30–44			
	G4	Severely decreased	15–29			
	G5	Kidney failure	<15			

green, low risk (if no other markers of kidney disease, no CKD); yellow, moderately increased risk; orange, high risk; red, very high risk.

KDIGO Definition and Classification of AKD

AKD – acute kidney disease – AKI, or GFR less than 60/mL/1.73m², or markers of kidney damage for 3 months or less, or decrease in GFR by 35% or greater or increase in SCr by 50% or greater for 3 months or less (KDIGO)

AKI – acute kidney injury – subcategory of AKD; oliguria for more than 6 hours, rise in SCr level by more than 0.3 mg/dL or by more than 50% in 1 week (KDIGO)

Stage	Serum creatinine	Urine output
AKI stage 1	1.5-1.9 times baseline OR 0.3 mg/dL or higher increase	< 0.5 mL/kg/h for 6-12 hours
AKI stage 2	2.0-2.9 times baseline	< 0.5 mL/kg/h for 12 hours or longer
AKI stage 3	3.0 times baseline OR 4.0 mg/dL or higher	Anuria for 12 hours or longer
AKI stage 3D	AKI treated by dialysis	

KDIGO Nomenclature Changes - The Basics – Tip Sheet

USE THIS	AVOID THE USE OF THIS
KIDNEY FUNCTION AND DISEASE	
Kidney	renal, nephro...
Kidney function	renal function
RKF - residual kidney function	RRF – residual renal function
KIDNEY FAILURE	
KF – kidney failure (as defined in the KDIGO CKD guideline – GFR < 15mL/min/1.73m ²)	RF – renal failure End stage ESKD – end stage kidney disease ESKF – end stage kidney failure ESRD – end stage renal disease ESRF – end stage renal failure
KRT – kidney replacement therapy	RRT – renal replacement therapy
KFRT – kidney failure with replacement therapy - CKD G5 treated by dialysis or CKD G1-G5 after transplantation	ESKD, ESKF, ESRD, ESRF
CKD without KRT – CKD G1-G5, A1-A3 of any cause, not receiving dialysis or transplantation	ESKD, ESKF, ESRD, ESRF
Dialysis – long-term or maintenance dialysis (dialysis for CKD) vs. short-term dialysis (dialysis for AKD).	chronic dialysis, acute dialysis The terms ‘chronic’ and ‘acute’ refer to the duration of kidney disease rather than the duration of the dialysis treatment
KT – Kidney transplant CKD G1T-G5T – CKD G1-G5 after transplantation	RT – renal transplant
LDKT - living donor kidney transplant/ transplantation	
DDKT - deceased donor kidney transplant/ transplantation	
ACUTE KIDNEY DISEASES AND DISORDERS AND ACUTE KIDNEY INJURY	
AKD – acute kidney disease AKI, or GFR less than 60/mL/1.73m ² , or markers of kidney damage for 3 months or less, or decrease in GFR by 35% or greater or increase in SCr by 50% or greater for 3 months or less (KDIGO)	ARD – acute renal disease
AKI – acute kidney insufficiency (a subcategory of AKD). Use the KDIGO definition and classification for AKI - oliguria for more than 6 hours, rise in SCr level by more than 0.3 mg/dL or by more than 50% in 1 week	ARF – acute renal failure ARI – acute renal insufficiency
AKI classification – KDIGO classification by cause and stage preferred rather than stage alone.	RIFLE classification AKIN classification
AKI stages – AKI stage 1, AKI stage 2, AKI stage 3	
AKI stage 3D – acute kidney injury stage 3D treated by dialysis	AKI-D, dialysis-dependent AKI
CHRONIC KIDNEY DISEASE	
CKD – chronic kidney disease KDIGO definition and classification of CKD - GFR	CRD – chronic renal disease ESKD, ESKF, ESRD, ESRF

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USE THIS	AVOID THE USE OF THIS
less than 60 mL/min/1.73 ² or markers of kidney damage for more than 3 months	Renal impairment, renal insufficiency
CKD classification by cause, KDIGO CGA classification by cause, GFR category (G1-G5), and albuminuria category (A1-A3).	CKD stage 1-5 Mild, moderate, severe, early, advanced
CKD without KRT – CKD G1-G5, A1-A3 of any cause, not receiving dialysis or transplantation	ND-CKD (non-dialysis CKD), NDD-CKD (non-dialysis-dependent CKD), pre-dialysis CKD, pre-ESRD CKD
CKD risk categories (see color codes in CKD nomenclature figure) – low (green), moderate (yellow), high (orange), and very high (red)	
KIDNEY MEASURES	
GFR – glomerular filtration rate Units must be specified (mL/min/1.73 ²)	
mGFR – measured glomerular filtration rate	
eGFR – estimated glomerular filtration rate	
eGFR _{cr} – estimated glomerular filtration rate using creatinine	
eGFR _{cys} – estimated glomerular filtration rate using cystatin C	
eGFR _{cr-cys} – estimated glomerular filtration rate using creatinine and cystatin C	
Cl – clearance. *Caution: Make sure it is clear that Cl does not mean chloride (Cl ⁻) when used for clearance.	
mCL – measured clearance	
mCL _{UN} – measured clearance using urea nitrogen	
mCL _{cr} – measured clearance using creatinine	
mCL _{UN-cr} – measured clearance using urea nitrogen and creatinine	
mGFR – measured glomerular filtration rate	
eCL – estimated clearance	
eCL _{cr} – estimated clearance using creatinine	
GFR categories G1 – Normal to increased GFR; GFR at or above 90 mL/min/1.73m ² G2 – Mildly reduced GFR; GFR 60-89 mL/min/1.73m ² G3a – Moderately reduced GFR; GFR 45-59 mL/min/1.73m ² G3b – Moderately reduced GFR; GFR 30-44 mL/min/1.73m ² G4 – Severely reduced GFR; GFR 15-29 mL/min/1.73m ² G5 – Kidney failure; GFR less than 15 mL/min/1.73m ² or treated by dialysis	
Hyperfiltration	Renal hyperfiltration
GFR reserve	Renal function reserve
Albuminuria	Microalbuminuria, macroalbuminuria

Nephrology Nursing Journal Style Guide

USE THIS	AVOID THE USE OF THIS
<p>ACR – urinary albumin excretion rate AER – urinary albumin- creatinine ratio Proteinuria</p> <p>Urinary PER - urinary protein excretion rate Urinary PCR – urinary protein-creatinine ratio. Caution: Make sure it is clear that PCR does not mean polymerase chain reaction which is also sometimes abbreviated as PCR.</p>	
<p>Albuminuria and proteinuria categories</p> <p>Normal – AER less than 10 mg/d; ACR less than 10 mg/g (less than 1mg/mmol) Mild – AER 10-29 mg/d; ACR 10-29 mg/g (1.0-2.9/mmol)</p> <p>A1 – Normal to mildly increased (normal to mild) albuminuria or proteinuria; AER less than 30 mg/d; ACR less than 30 mg/g (less than 3 mg/mmol); PER less than 150 mg/d; PCR less than 150 mg/g (less than 15 mg/mmol)</p> <p>A2 – Moderately increased (moderate) albuminuria or proteinuria; AER 30-300 mg/d; ACR 30-300 mg/g (less than 1 mg/mmol); PER less than 150 mg/d; PCR less than 150 mg/g (less than 15 mg/mmol)</p> <p>A3 – Severely increased (severe) albuminuria or proteinuria; AER greater than 300 mg/d; ACR greater than 300 mg/g (more than 30 mg/mmol); PER greater than 500 mg/d; PCR greater than 500 mg/g (greater than 50 mg/mmol)</p>	<p>Normoalbuminuria Microalbuminuria</p>
<p>Tubular function</p> <p>TR – tubular reabsorption TS – tubular secretion FE_{Na} – fractional excretion of sodium FR_{Na} – fractional reabsorption of sodium</p>	