**Nephrology**

**Five Things Physicians and Patients Should Question**
by
Canadian Society of Nephrology
Last updated: June 2018

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**1. Don't initiate erythropoiesis-stimulating agents (ESAs) in chronic kidney disease (CKD) patients with hemoglobin levels greater than or equal to 100 g/L without symptoms of anemia.**
Administering ESAs to CKD patients with the goal of normalizing hemoglobin levels has not demonstrated survival or cardiovascular disease benefit, and may be harmful in comparison to a treatment regimen that delays ESA administration or sets relatively conservative targets (90–110 g/L).

**2. Don't prescribe nonsteroidal anti-inflammatory drugs (NSAIDS) in individuals with hypertension or heart failure or CKD of all causes, including diabetes.**
The use of NSAIDS, including cyclo-oxygenase type 2 (COX-2) inhibitors, for the pharmacological treatment of musculoskeletal pain can elevate blood pressure, make antihypertensive drugs less effective, cause fluid retention and worsen kidney function in these individuals. Other medication prescribed by a healthcare professional may be safer than and as effective as NSAIDs.

**3. Don't prescribe angiotensin converting enzyme (ACE) inhibitors in combination with angiotensin II receptor blockers (ARBs) for the treatment of hypertension, diabetic nephropathy and heart failure.**
When used in combination ACE inhibitors and ARBs are associated with an increased risk of symptomatic hypotension, acute renal failure and hyperkalemia and may increase mortality.

**4. Don't initiate chronic dialysis without ensuring a shared decision-making process between patients, their families, and their nephrology health care team.**
The decision to initiate chronic dialysis should be part of an individualized, shared decision-making process between patients, their families, and their nephrology health care team. This process includes eliciting individual patient goals and preferences and providing information on prognosis and expected benefits and harms of dialysis within the context of these goals and preferences. Limited observational data suggest that survival may not differ substantially for older adults with a high burden of comorbidity who initiate chronic dialysis versus those managed conservatively.

**5. Don't initiate dialysis in outpatients with Stage 5 CKD in the absence of clinical indications.**
Initiating chronic dialysis before the appearance of uremic symptoms or other clinical indication is associated with significant burden and inconvenience for the patient without any clinical benefit. Recent guidelines from the Canadian Society of Nephrology recommend that patients with an estimated glomerular filtration rate (eGFR) less than 15 mls/min should be closely followed by their nephrologist and dialysis deferred until symptoms of uremia, volume overload, hyperkalemia or acidosis become an issue or the eGFR drops below 6 mls/min.
How the list was created

The Canadian Society of Nephrology (CSN) established its Choosing Wisely Canada recommendations by striking a Choosing Wisely Working Group from its Clinical Practice Guidelines Committee. The working group created a survey to poll the members of the society, who were asked to vote for 5 tests, 5 investigations and 5 treatments that they felt were overused, misused or had potential to cause harm. Over 400 members were surveyed with a 22% response rate. These responses were collated into themes, and ordered by their frequency of occurrence. Three members of the working group reviewed the list independently; each of whom proposed a top 10 list of recommendations derived from the survey responses. These 3 lists were then reviewed by the working group and a draft top ten list was generated based on the following criteria: strength of evidence; potential for harm; cost saving; frequency of occurrence in clinical practice and pertinence to nephrology. The draft list of ten items was presented at the CSN annual general meeting and members were asked to vote electronically on their agreement with each recommendation. In addition to the membership votes, the working group then considered the strength of evidence and potential for meaningful impact of the recommendations, and a final list of five items was agreed upon. Recommendations 1, 2, and 4 were adapted with permission from the Five Things Physicians and Patients Should Question, © 2012 American Society of Nephrology.

Sources


About the Canadian Society of Nephrology

CSN is a society of physicians and scientists specializing in the care of people with kidney disease, and in research related to the kidney and kidney disease. The mission of CSN is focused on setting high standards for medical training and education; encouraging research related to the kidney, disorders and renal replacement therapies; improving the delivery of health care related to nephrology; and, promoting the continuing professional competence of nephrologists.

About Choosing Wisely Canada

Choosing Wisely Canada is the national voice for reducing unnecessary tests and treatments in health care. One of its important functions is to help clinicians and patients engage in conversations that lead to smart and effective care choices.