

CKD in Long-term Care

OLTCC Workshop, 2020 Oct 23, 2020

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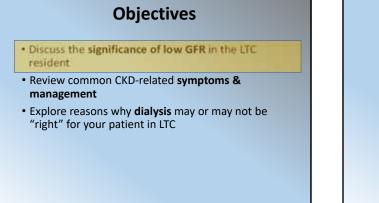
Conflicts of interest

- Received honoraria from Otsuka Canada Pharmaceutical Inc. for Tolvaptan (*Jinarc*) and Patiromer (*Veltassa*) for presentations and drug advisory participation
- These products will not be discussed in today's workshop

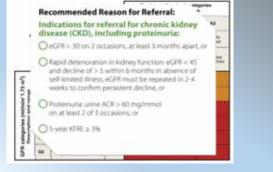
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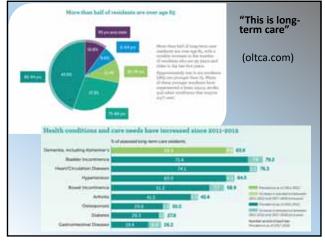
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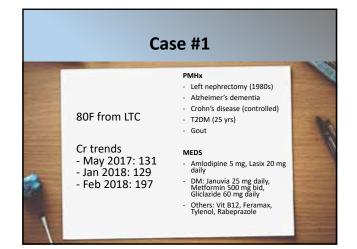
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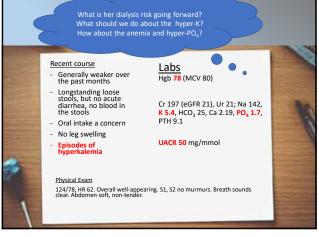


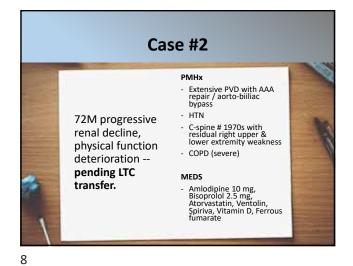
CKD and usual referral indications







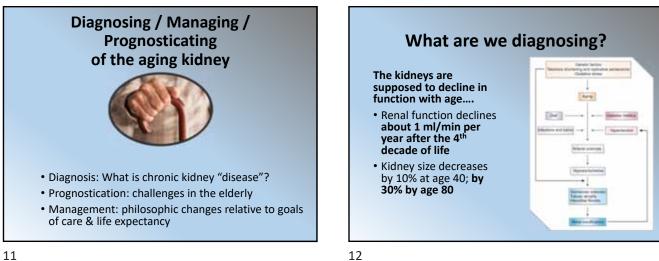


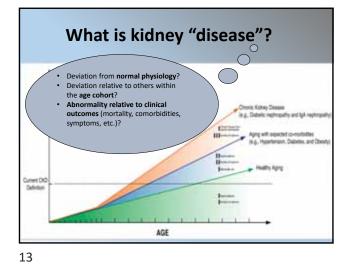


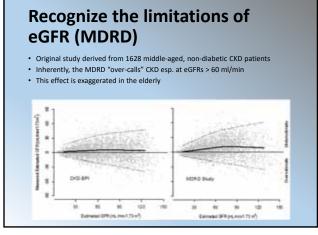


What is my role as the nephrologist?

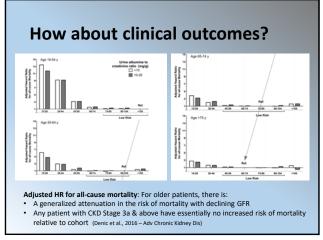
- Diagnose Staging CKD and underlying reason
- Prognosticate Estimate trajectory & risk of ESRD
- Manage Intrinsic treatable etiologies & CKD complications

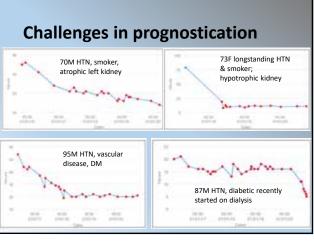


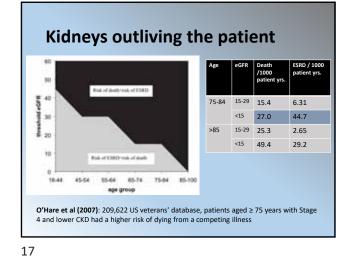


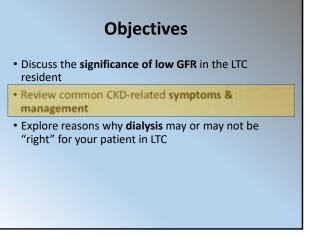


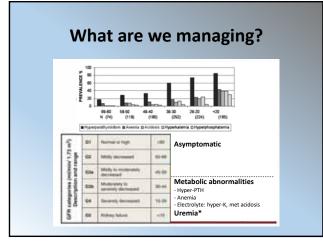






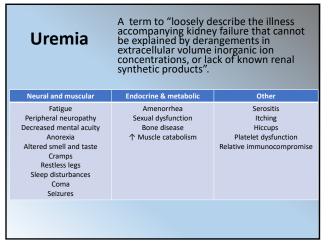


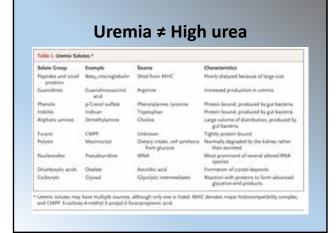




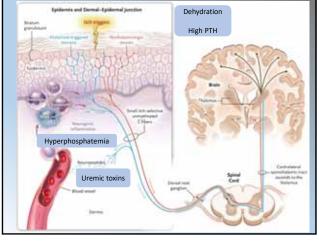
Complication	Significance?	Rationale / Comments	
Anemia	Yes to an extent	Target Hgb 95 – 120 g/L Iron saturation > 20% EPO / oral iron tablets	
Electrolytes / acid- base	Yes to an extent	K 6.5 mM = + arrythmia risk Consider discontinuing ACE/ARB/MRA Kayexalate with caution	
BMD	Not really	Limited evidence of normalizing values Potential harm with malnutrition	
BP / volume	BP – yes to an extent Volume – very important	AHA: sBP < 150 mmHg (HYVET)	
Uremic symptoms	Very important	Symptomatic management	

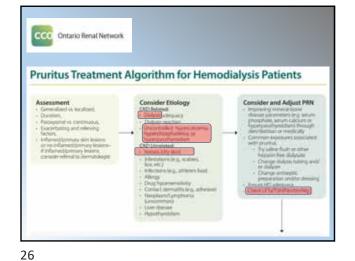
Symptom Burden In Patients With ESRD Not Opting For Dialysis				
Symptom	N of patients with symptom at baseline (range 7-699 days before doum)	1 month prior to death		
Lack of energy	76%	86%		
Pruritis	74%	84%		
Drowsiness	65%	82%		
Dyspnea	61%	80%		
Pain	53%	73%		
Restless legs	48%	65%		
Nausea		59%		

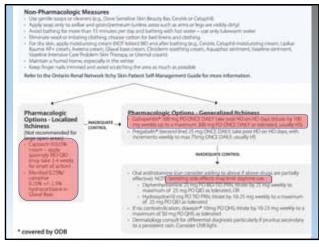




<section-header>Pruritus• Affects nearly 50% of
patients on dialysis• Can be experienced in a
wide range of ways• Affects mood, sleep, and
social function• Under-estimated by
nephrologists







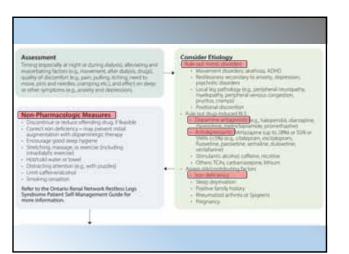




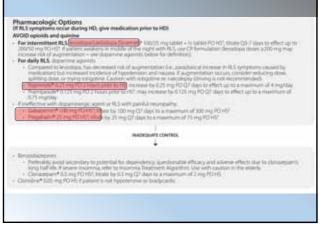
Restless legs

- Affects 20-40% of dialysis patients and ~25% of CKD patients (Lin et al. 2016)
- Irresistible urge to move the legs
- · Relieved by leg movement
- Worse before going to bed
- Associated with poor sleep quality, low quality of life, high risk of CV disease
- Unclear mechanism (?dopaminergic system dysfunction)





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Objectives

- Discuss the **significance of low GFR** in the LTC resident
- Review common CKD-related symptoms & management

 Explore reasons why dialysis may or may not be "right" for your patient in LTC

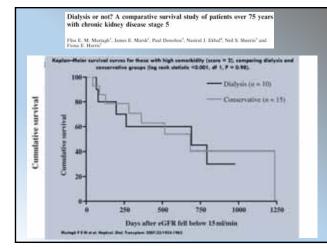
Will dialysis extend life?

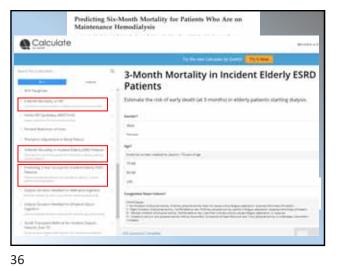
- O'Connor & Kumar (2012) Systematic review, Median survival of **6.3 – 23.5 months**
- Shortest survival in patients with already extensive comorbidities and functional decline
 - Longer survival in younger patients

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 Stoke comorbidity score – malignancy, ischemic heart disease, PVD, LV dysfunction, DM, collagen vascular disease, other significant pathology (score of 2 = 56% survival at 1 year; HR 2.5 for each incremental increase)

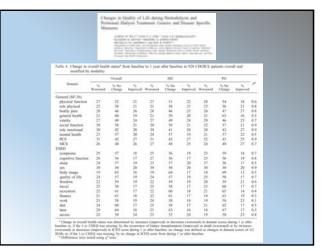
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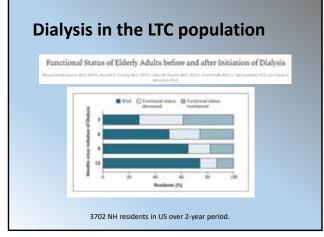


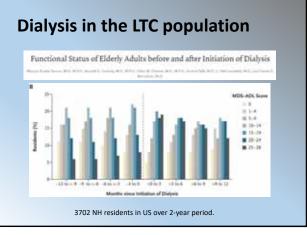


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treatment						
% of patients on dialy						
Symptom	- N of patients on dialysis superiorcing different comptoms.	ions OR				
Tired	74%					
Poor well-being	60%					
Poor appetite	49%					
Pain	48%					
Itching	46%	g those				
Drowsy	45%	B those				
508	34%					
Nausea	25%	legs,				
	is of patients on diaky symptoms. n = 507 Symptom Tired Poor well-being Poor appetite Pain Itching Drowsy	Symptom St of patients on dialysis experiencing affinents overprints Tired 74% Poor well-being 60% Poor appetite 49% Pain 45% Itching 46% Drowsy 45%				









Palliative dialysis					
	Treatment Intensity				
	Conventional distysis	Pallative distyre	Entervalive management		
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Cardinesescile Bases	The Spectrum and Asterioria	Contract and installants in the Supervised in Appendix			
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