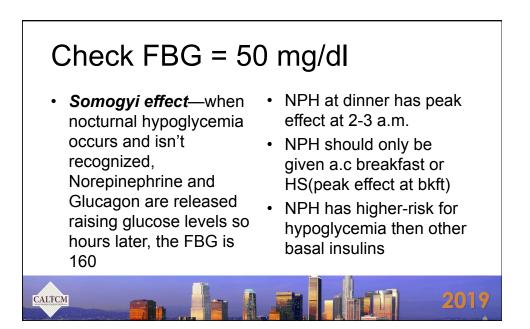
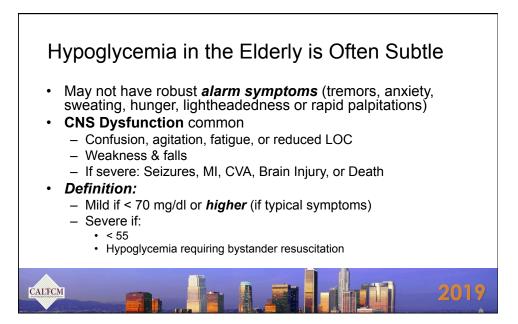


Case of Duncan Mills

- 86 y/o long stay resident with old right CVA, Stage 3B CKD, HBP, MCI, and Type II IDDM. His FS BG is ~ 140 before breakfast & ~ 180 before dinner. He receives: Metformin LA 1500 mg daily & NPH 70/30 a.c. bid. Lately, he has been mentally slow in the morning though his FS BG has increased to 160. His CNA notices at 2:00 am that he is moaning and restless.
- If you were his nurse, what would you be thinking?



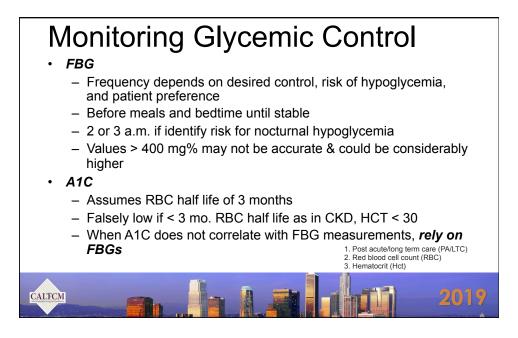


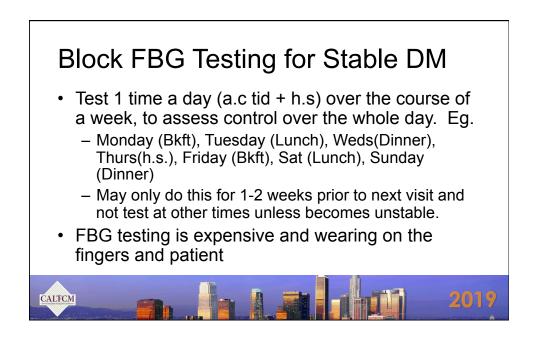


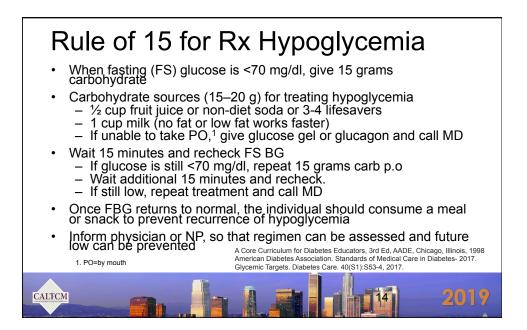
Approach to Setting A1C Goal								
Patient/Disease Features	More stringent	← A1C 7% →	Less stringent					
Risks potentially associated with hypoglycemia and other drug adverse effects	low		high					
Disease duration	newly diagnosed		long-standing	Usual				
Life expectancy	long		short	Usually not modifiable				
Relevant comorbidities	absent	few/mild	severe	ifiable				
Established vascular complications	absent	few/mild	severe					
Patient attitude and expected treatment efforts	Highly motivated, adherent, excellent self-care capabilities		Less motivated, nonadherent, poor self-care capabilities	Pote				
Resources and support system	Readily available		limited	Potentially modifiable				
American Diabetes Association. Standards of Medical Care in Diabetes- 2017. Glycemic Targets. Diabetes Care. 40(S1):S53, 2017.								

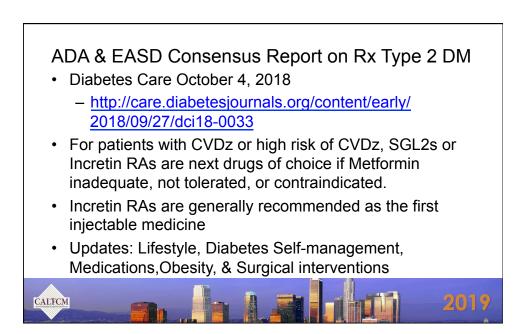
ADA Glycemic Targets for Older Adults

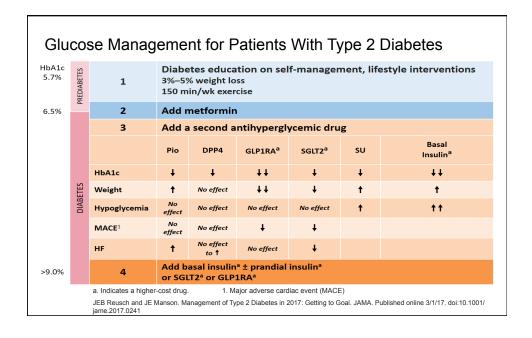
Patient Characteristics/ Health Status	Rationale	Reasonable A1C Goal	Fasting or Preprandial Glucose	Bedtime Glucose		
Healthy (few coexisting chronic illnesses, intact cognitive and functional status)	Longer remaining life expectancy.	<7.5%	90–130 mg/dl	90–150 mg/dl		
Complex/ Intermediate (multiple coexisting illnesses or 2+ instrumental ADL ¹ impairments or mild-to-moderate cognitive impairment)	Intermediate remaining life expectancy, high treatment burden, hypoglycemia vulnerability, fall risk.	<8.0%	90–150 mg/dl	100–180 mg/dl		
Very complex/ Poor health (LTC ² or end-stage chronic illnesses or moderate-to-severe cognitive impairment or 2+ ADL dependencies) 1. Activities of daily living (ADL) 2. Long term care (LTC)	Limited remaining life expectancy makes benefit uncertain. *Avoid hyperglycemia to prevent dehydration, electrolyte abnormalities, urinary incontinence, dizziness, falls, hyperglycemic crisis.	<8.5%	100–180 mg/dl	110–200 mg/dl		
Standards of Medical Care in Diabetes- 2017. Older Adults. American Diabetes Association. Diabetes Care 40(S1): S101, 2017. *Munshi et al, Diabetes Care. 39:308-18, 2016.						

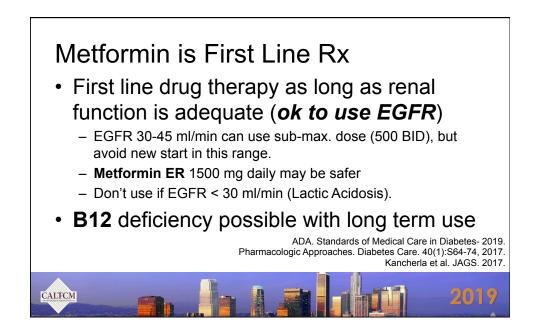


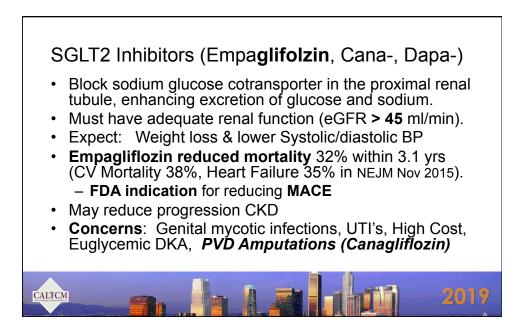


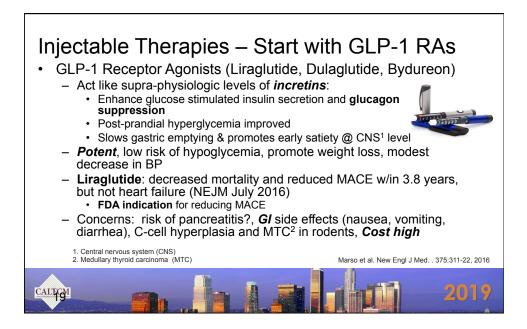


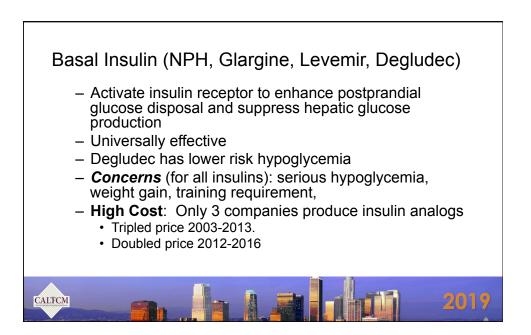


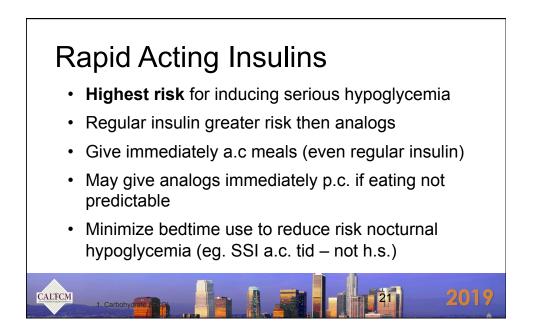


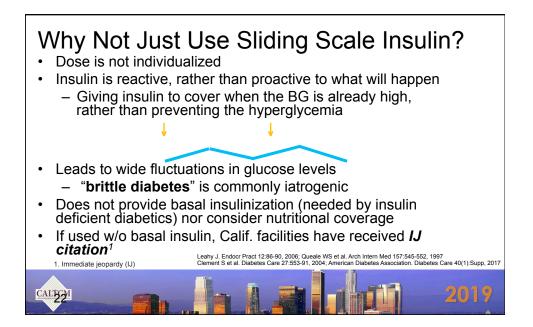


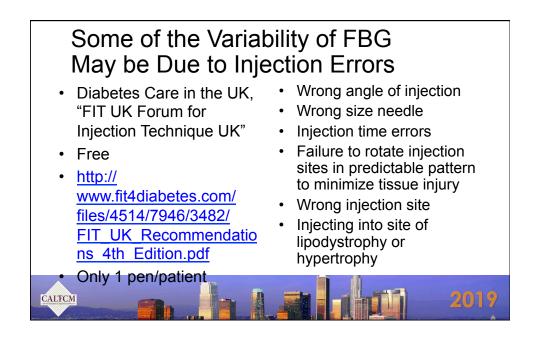


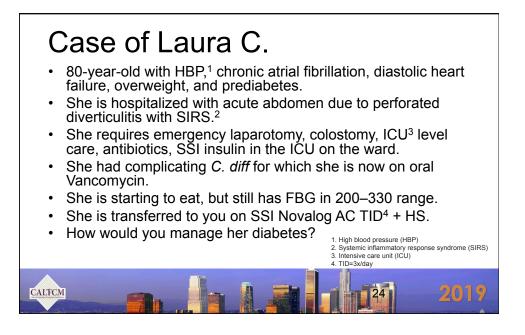


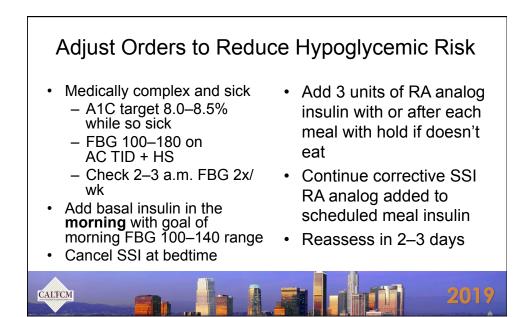


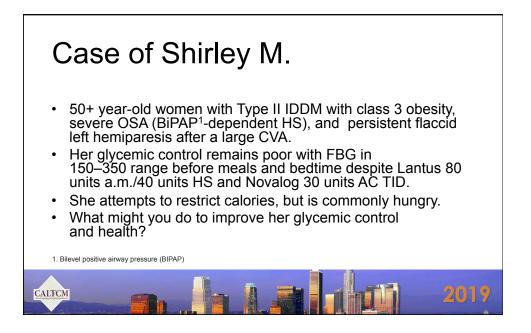


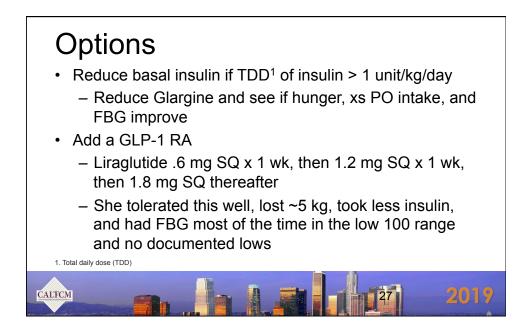


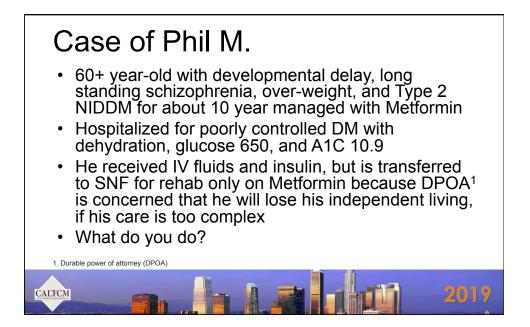




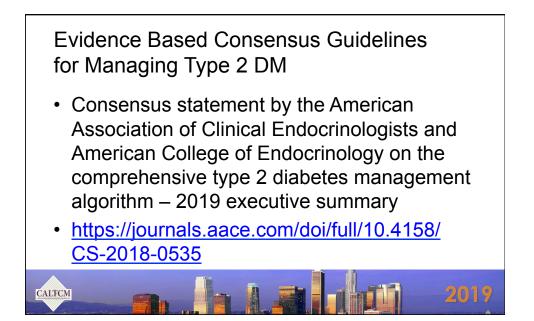


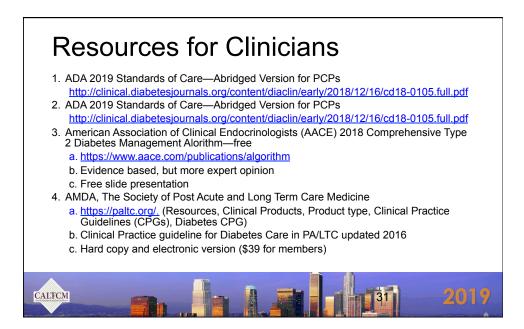


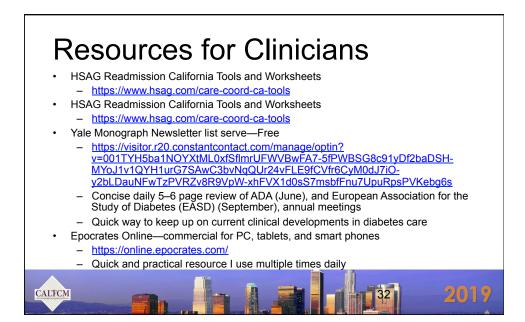




Many Concerns Was he taking his Lantus 15 units daily initially Metformin? Decided to try Liraglutide Was his supervision adequate?—delayed crisis because it is once a day with much lower risk of recognition hypoglycemia Glucotoxicity High glucose levels worsen Able to stop Lantus and insulin resistance achieve near normal FBG Using insulin to control w/o lows hyperglycemia, resistance improves reducing need for TAR¹ for Dulaglutide supplemental insulin (SQ weekly) 1. Treatment authorization request (TAR) CALTCM 201







Resources for Patient Ed

- Diabetes Self-Management Education and Support (DSME and DSMS)
 - Knowledge is power and power
 - A 24/7 disorder that is complex and can quickly change
 - Diabetes educator(s) in your community extremely valuable
 - Internet based free patient education:
 - UpToDate for Patients: <u>https://www.uptodate.com/contents/table-of-contents/patient-information</u>
 - HealthinAging Tip Sheets: <u>https://www.uptodate.com/contents/table-of-contents/patient-information</u>
 X-Plain Patient Education Library:
 - <u>https://www.uptodate.com/contents/table-of-contents/patient-information</u>
 ACP Patient Education Channel:
 - ACP Patient Education Channel. <u>https://www.uptodate.com/contents/table-of-contents/patient-information</u>

