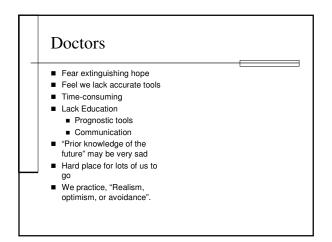
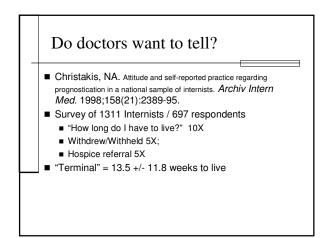
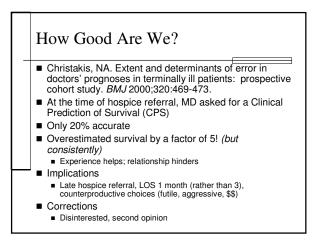


- Patients don't want to hear it
- A classic, therapeutic dilemma
 - Like treating an asymptomatic condition (HBP)
 - With expensive medications that make you
 - feel bad
- Lots of challenges





Characteristic	Freq (%)
"Stressful" to make predictions	60.4
"Difficult"	58.7
Wait to be asked by patient	43.7
Believe patients expect too much certainty	80.2
Error will result in loss of patient confidence	50.2
Should avoid being specific	89.9
Inadequate training in prognostication	56.8



Prognostic Disclosure to Patients with Cancer near the End of Life. Lamont EB, Christakes NA. Ann Intern Med. 2001;134:1096-1105.

- Compared "formulated" and "communicated" diagnosis
- How often MDs give frank survival estimates to patients who request them?
- Physician telephone survey (n=326)

Results 23% would not communicate temporally specific prognosis 37% would 40% would communicate discrepant prognosis Median formulated Px 75 days Median communicated Px 90 days Median survival 26 days

More...

- Pts with with optimistic or no Px communicated to them had shortest survival
- Pessimistic > the longest
- Older pt > franker
- Less functional > franker
- Older MDs favored (3X) no disclosure
- Less confident in Prognosis less disclosure
- More experience with hospice less frank
- Female MDs more pessimistic (maybe more accurate)

2nd Opinion?

Authors Concluded

- Provided frank estimate only 37%
- Able and willing to formulate, but not communicate (even with insistent patients)
- Conscious and unconscious optimism
- Confident in Px, no more accurate, but if not confident less likely to be frank
- Most types of MDs avoid frank disclosure to most types of patients with cancer
- To be of real use to patients, the science of prognostication must be improved!
- Patients want accurate Px
- Tactful, respectful; not truth-dumping

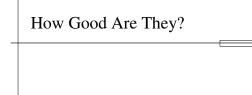
Patients' Views on Prognosis Communicating with realism and hope: Incurable cancer patients' views on the disclosure of prognosis. Hagerty et al. *J Clin Onc.* 2005;23:1278-1288. 218 consecutive metastatic cancer patients, 30 oncologists, Sydney, Australia A clear majority (*but not all*) of patients want: Individualized and realistic disclosure From a confident, collaborative, informed and supportive cancer specialist Detailed information, checking for understanding, time for questions Hope-giving approach favored

Additional evidence suggests...

Honest, ongoing communication of prognosis
 Reinforces trust and hope

- Enhances a mutually respectful doctor-patient relationship
- Facilitates treatment decisions that are consistent with underlying values

What Simple Tools Do We Have?



Good Evidence-Based Medicine?

Tools...KISS (Keep It Simple... Stephenson)

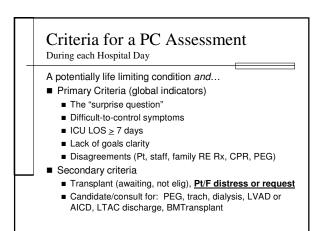
- More complicated tools won't be generally useful
- Simple tools or indicators to suggest Palliative Care Consult or at least
- Turn our attention to a palliative plan of care
- Keeping PC definition in mind... "combined with all other medical care that is appropriate"
- What might suggest a significant shift in focus or PC consult?
- And then have more sophisticated tools available

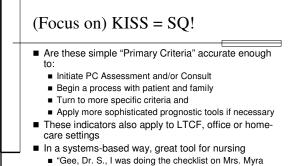
As I was thinking about it...

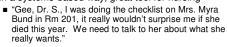
Boom!

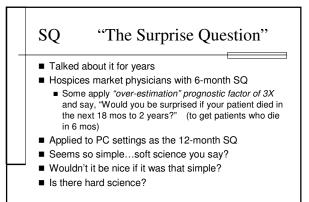
- Ahead-of-print alert from J Palliative Medicine
- Identifying patients in need of a PC assessment in the hospital setting. Weissman DE & Meier DE. J Palliat Med. 2011
 A consensus report from CAPC
- Consultation Triggers Audio Conference
 CAPC
- Checklist theory

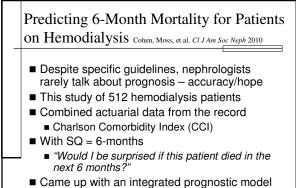
Criteria for a PC Assessment At the time of Admission A potential life-limiting condition and... Primary Criteria (global indicators) The "surprise question" (SQ) – You would not be surprised if the patient died within 12 months or before adulthood Frequent admissions Admission prompted by difficult-to-control symptoms Complex care requirements (home vent) Failure to thrive (function, nutrition, cognition) Secondary criteria (more-specific indicators) LTCF, chronic home O2, hospice enrollee Elderly, cognitively impaired, acute hip fx Metastatic or locally advanced CA, out-of-hospital arrest Limited social support; absence of advance care plans

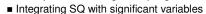




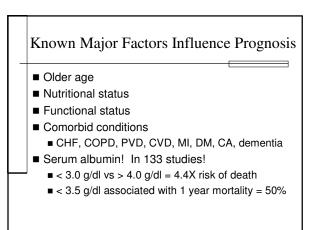


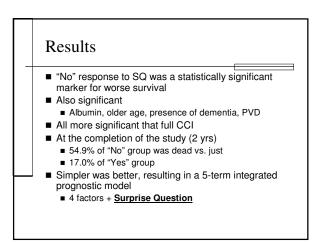






Charlson **Comorbidity** Index Beddhu et al 2000 Comorbidity Condition Score CAD, CHF, PVD, CerebroVD, Dementia, COPD, 1 PUD, CLD, DM Hemiplegia, Mod-Sev Renal, DM with end-organ damage, any tumor, leukocytosis, lymphocytopenia 2 Mod or severe liver disease 3 6 Metastatic solid tumor, AIDS Add 1 for each decade > 40. Score \geq 8 had a 1-year survival of 50% (Factor in alb and (Karnofsky) perf status would help)



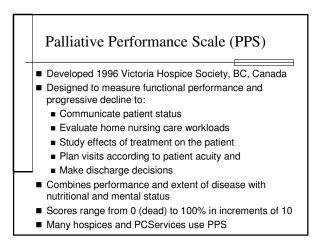


Prognostic Significance of the "Surprise" Question in CA Patients Moss et al JPM 2010

- Not previously studied in cancer patients
 (well actually only in HD patients work to do)
- 853 consecutive cancer patients in an academic cancer center with breast, lung or colon cancer
- Used SQ = 12 months
- "No" had a 7X greater hazard of death than "Yes"
- Simple, feasible, and effective tool to identify cancer patients at a greatly increased risk of 1year mortality.

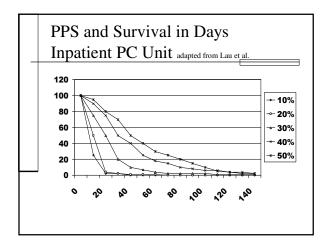
Prognostic Factor	Partial Score	
Dyspnea Absent	0	
Present	1	
Anorexia Absent	0	PPS =
Present	1.5	113 -
Karnofsky Performance Status >/= 50	0	dyspnea score +
30-40	0	anorexia score +
10-20	2.5	anorexia score +
Clinical Prediction of Survival > 12 wks	0	KPS score +
11-12 wks	2.0	CPS score +
9-10	2.5	CPS score +
7-8	2.5	total WBC score +
5-6	4.5	1 1 01
3-4	6.0	lymph % score
1-2	8.5	Total score
Total WBC count: Normal 4.8-8.5K	0	
High 8.5-11K	0.5	0 - 5.5 = 70% of 30
Very High > 11K	1.5	5.5 - 11 = 30 - 70%
Lymphocyte percentage Normal 20-40%	0	010 11 00 /070
Low 12-19.9%	1.0	11.1 - 17.5 = < 30%
Very low 0-11.9%	2.5	(of surviving 30-days)

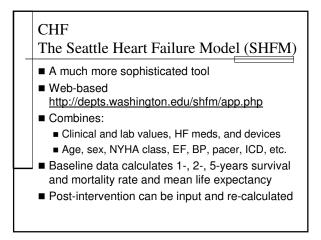
Many General and Disease-Specific Tools/Indices Emerging Palliative Performance Scale (PPS) CHF COPD ESRD ALS Cancer Dementia Prognostication is no longer just another dirty word; there is science



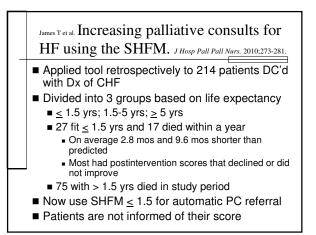
Pall	iative P	erformance	e Scale (l	PPS)		
% Score	Amb	Activity/Evi DZ	Self-care	Nutr Intake	Conscious	
100	Full	Normal; NEDz	Full	Normal	Full	
90	Full	Full NI; Some EDz Full		Normal	Full	
80	C Full NI w/ effort; Sig Dz Full		NI or reduced	Full		
70	Reduced	Unable to do NI work; Sig Dz	Full	NI or reduced	Full	
60	Reduced	Unable to hobby; extensive Dz	Occ asst nec	NI or reduced	Full or confuse	
50	0 Sit or lie Unable any work; Occ asst extensive Dz		Occ asst req	NI or reduced	Full or confuse	
40	Mstly Bed	Unable to do most activities	Mainly asst	NI or reduced	Full, drowsy, +/- conf	
30	Total Bed	As above	Total Care	Reduced	As above	
20	As above	above As above Total Care		Minimal sips	As above	
10	As above	As above	Total Care	Mouth care only	Drowsy or coma +/- conf	
0	Death	-	-	-	-	

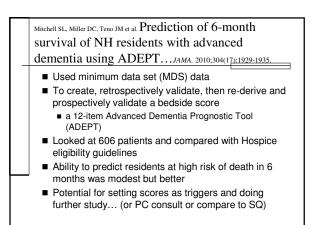
	Validation of PPS
	1/2 dozen studies
	Most recent PC Consults in Chapel Hill!
	 O. Olajide, Laura Hanson et al
	PPS correlates well with length of survival
•	Different numbers in different populations but correlates well
•	Previous studies in Home, NH, Hospital, and Inpatient units
	Not widely used in this country
•	Can also help validate admission, plan care, plan discharge

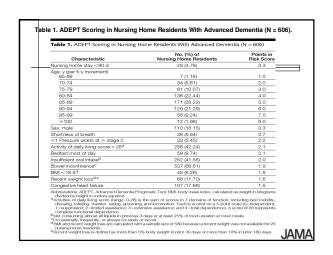


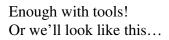


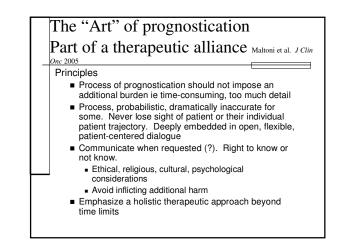
Baseline		Intervention	Intervention								
Survival Mortality Mean life	80% (20% :	2 Year 5 Year 64% 33% 36% 67%	1 Year 2 Ye 94% 88% 6% 12%	6 7496 6 2696	. 100				~	~	
expectancy	4.1	years	9.4 yea	rs	0	i	ż	3	4	Ś	Years
Clinical		Medications	Diuretics		Lab Da	ita					
Age:	65 🗘	ACE-I	Furosemide:	90 🗘	Hgb (g/	:L):	14	\$	Devi	:es	
Gender: Male 💙 🗌 Beta-blocker		Burnetanide	0	Lymphocyte %:		25	\$	None			
IYHA Class: 3A 💌 🗆 ARB		Torsemide:	0	Uric Acid (mg/dL):		8	4	O BIV Pacer		er	
Weight (kg):	80 🗘	Statin	Metolazone:	0	Total Ch	iol (mg/dL):	190	\$	0	CD	
EF:	30 🗘	Allopurinol	HCTZ:	0	Sodium:		137	* *	0	BIV ICE	
Syst BP:	120 🗘	Aldosterone bloc	ker		QRS	> 120 msec					
✓ Ischemic								(Defa	ault Va	ues
Interventior	15			Devices					: Som		
ACE-I ARB Beta-blocker		tker	None	э		may be disabled i clinical criteria are					
Statin Aldosterone blocker			O BIV Pa		Pacer O BIV ICD		met				
		me Levy and David Lin		⊖ ICD		OLVAD					



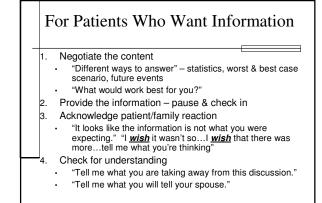




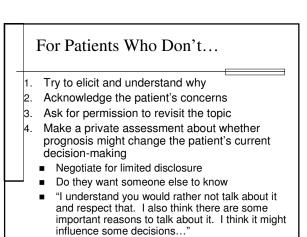




Discussing Prognosis from Back A. Arnold R. Tulsky J: Mastering Communication with Seriously III Patients "How much do you want to know?" Normalize a range of patient interest' 1. "Some people want details" 2. "Some want to focus on the big picture" 3. "Some would rather not discuss it at all" "What would be best for you?" The power of <u>some, many</u>, and <u>most</u>



Some Patients Maybe Relieved...



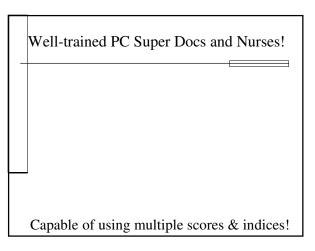
How good are we? H & PC Specialist Doctors & Nurses

- Twomey F et al. Prediction of patient survival by healthcare professionals in a specialist PCU
- To compare accuracy of different professionals
 - MDs (PC and nonPC); RNs; CNAs; ward sisters
 - CPS in ranges (<24h;24-72h;72h-10d;10d-1m;1-3m;>3m)
- To identify helpful predictive variables
- Accurately predicted survival only ~50%
 - Nursing and junior medical more accurate
 - Assistants least accurate
 - Senior medical, when in error, tended to underestimate
 - (Ward sisters not noted in results)
- Independent mobility only predictive variable of LOS

How Good Are We? Palliative Care Teams Higginson I, Constantini M. Accuracy of prognosis estimates by four palliative care teams: a prospective cohort study. To test the accuracy of giving an estimated range of prognosis rather than a specific time Mostly nurses, a few physicians and SWs Compared minimum and maximum estimated survival with actual 42% accurate; 36% optimistic; 22% pessimistic More accurate if minimum estimate < 14 days (closer to death)...horizon effect Concludes – discussion is more important and if appropriate consult more experienced clinicians

Prognostication Competencies

- Are we testing ourselves?
 - Quality Assessment and Performance Improvement
 - Every hospice, PC Service, and unit
 Every admission
 - Every admission
 CPS, SQ, and/or disease-specific tool
- Board questions about tools and conversation
 - ACGME (Accreditation Council for Graduate Medical Education)
 - CHPN (Certified Hospice and Palliative Nurse)
- More research studies it wouldn't take much to tip QAPI into research



Summary

- Prognostication
- Simple tools beget more sophisticated tools
- As Donald Berwick, now Administrator of CMS, said at ACP in 1999:
 - "If you would not be surprised that your patient died in the coming months...tell him."
- But tell him in a patient-centered empathetic way with negotiated content
- Let's get good at it!
- Let's study our ownselves!

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- 10. 11.
- 12.
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