

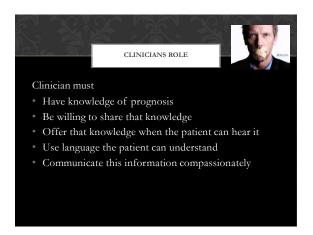
PROGNOSTICATION CONSISTS OF TWO PARTS

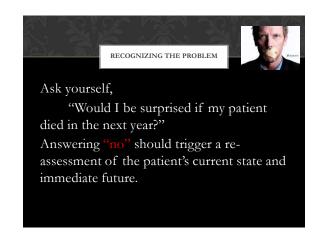
1. foreseeing (estimating prognosis)

2. foretelling (discussing prognosis).

HOW DO WE HELP PATIENTS ACHIEVE PROGNOSTIC AWARENESS?

Clinician roles
Patient roles







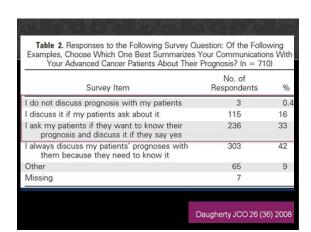
Reasons Why Physicians Do Not Have Discussions
About Poor Prognosis, Why It Matters, and What
Can Be Improved

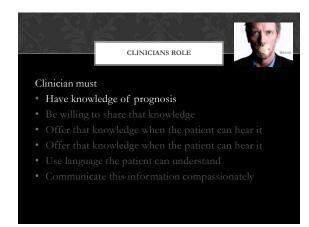
X Involvement of Hospice or Palliative Care Will Reduce Survival Incorrect
We Do Not Really Know a Patient's Prognosis True
"But doctor can range of possible outcomes that can bring the patient's
understanding closer to the truth"

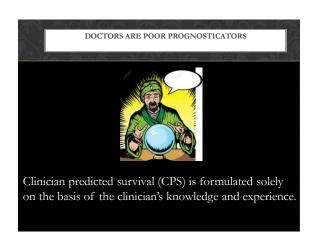
X Talking About Prognosis Is Not Culturally Appropriate
Incorrect., different preferences by ethnicity should not dictate
communication with individuals.

We Do Not Like to Have These Discussions?

True: Most oncologists find breaking bad news to be stressful, and
few find it satisfying

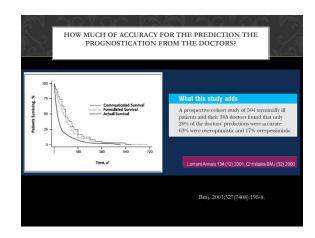


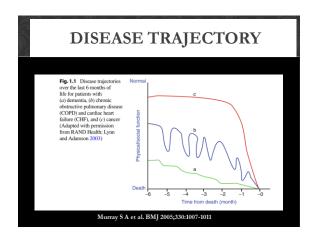


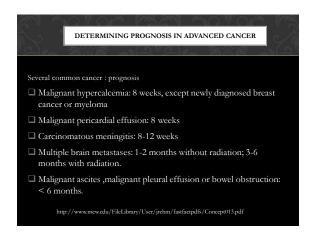


## \*Requires knowledge of the natural history of disease (trajectory) an understanding of how treatment could modify survival an appreciation of individual patient related factors such as comorbidities.

# \*1. clinical prediction of survival (CPS) erroneous 30 % of the time in expert hands. A study by Christakis. He asked 343 physicians to provide survival estimates for 468 terminally ill patients at the time of hospice referral. Only 20% of predictions were accurate (as defined as within 33% of actual survival). Overall, doctors overestimated by a factor of 5.3 BMJ. 2000; 320:469-472



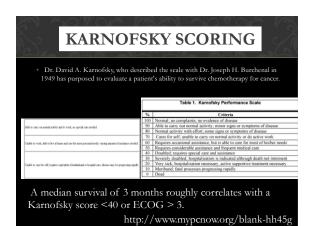




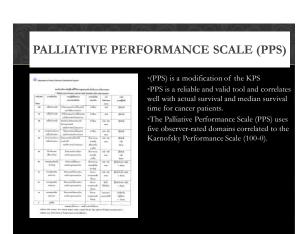
### 2. Statistical estimate of survival: Performance status (PS): ECOG, KPS; A median survival < 3 months roughly correlates with a Karnofsky score < 40 or ECOG > 3 Multiple demographic factors tools: PaP, PPS, PPI

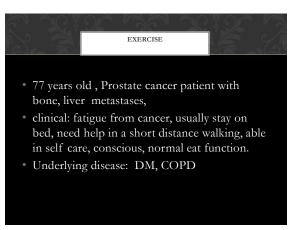
#### ECOG SCORE (EASTERN COOPERATIVE ONCOLOGY GROUP)

- 0 Asymptomatic
- . (Fully active, able to carry on all pre-disease activities without restriction)
- 1 Symptomatic but completely ambulatory
- (Restricted in physically strenuous activity but ambulatory and able to carry out work of a light or sedentary nature. For example, light housework, office work)
- 2 Symptomatic, <50% in bed during the day
- (Ambulatory and capable of all self care but unable to carry out any work activities. Up and about more than 50% of waking hours)
- 3 Symptomatic, >50% in bed, but not bedbound
  - (Capable of only limited self-care, confined to bed or chair 50% or more of waking hours)
- 4 Bedbound
  - (Completely disabled, Cannot carry on any self-care. Totally confined to bed or chair)
- 5 Death

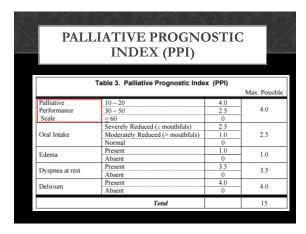


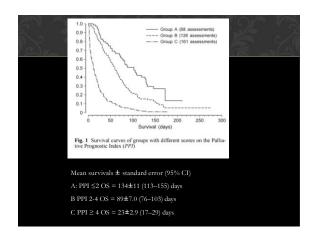
#### PROGNOSTIC FACTORS Laboratory variables Leukocytosis Lymphocytopenia Hypoalbuminemia Elevated lactate dehydrogenase (LDH) Elevated C-reactive protein (CRP)

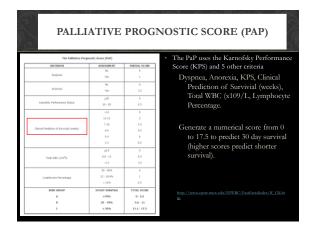


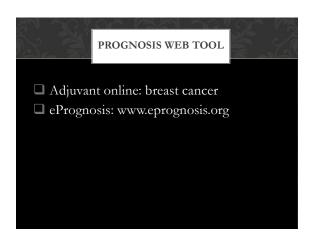


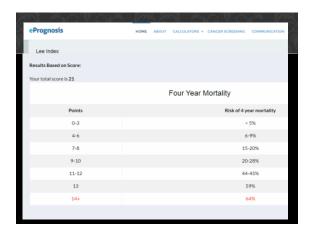
AN ANTON	7	m.	(M)	1991 a C	Y'W'	04/4		W	
Exercise Using the PPS	10	Ambulation	Activity Level Evidence of Disease	Self-Care	Intake	Level of Consciousness	Medi	stimat ian Su in Day i) (b)	rvival
Prostate cancer patient	100	Full	Normal No Disease	Full	Normal	Full			
with bone metastases, clinical: fatigue from	90	Full	Normal Some Disease	Full	Normal	Full	N/A	N/A	
cancer, usually stay on bed, need help in a short	80	Full	Normal with Effort Some Disease		Normal or Reduced	Full			108
distance walking, able in self care, conscious, normal eat function.	70	Reduced	Can't do normal job or work Some Disease	Full	As above	Full	145		
PPS 40 = 18-41 days	60	Reduced	Can't do hobbies or housework Siprificant Disease	Occasional Assistance Needed	As above	Full or Confusion	29	4	
	50	Mainly sit/lie	Can't do any work Extensive Disease	Considerable Assistance Needed	As above	Full or Confusion	30	11	
<ol> <li>Survival post-admission to an inpatient palliative unit, all diagnoses (Virik 2002).</li> </ol>	40	Mainly in Bed	As above	Mainly Assistance	As above	Full or Drawsy or Confusion	18	8	41
<ul> <li>Days until inpatient death following admission to an acute hospice unit, diagnoses not specified (Anderson</li> </ul>	30	Bed Bound	As above	Total Care	Reduced	As above	8	5	
1996).  c. Survival post admission to an inpatient palliative unit,	20	Bed Bound	As above	As above	Minimal	As above	4	2	
cancer patients only (Monta 1999). http://www.eperc.mcw.edu/EPERC/FastFactsIndex/ff _125.htm	10	Bed Bound	As above	As above	Mouth Care Only	Drowsy or Coma	1	1	0
123 that	0	Death		-	-	-			

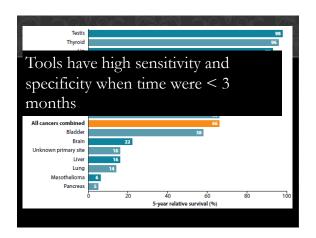


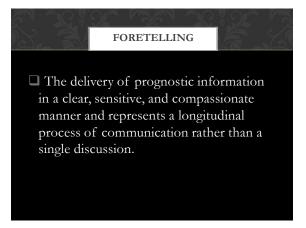


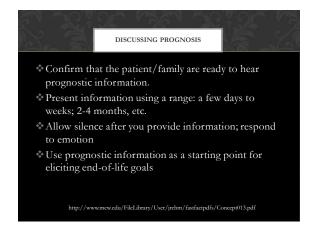












Guessing doesn't work

Avoiding doesn't help.

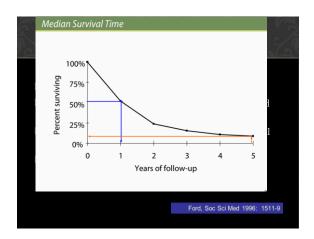
Bluntness almost always injure

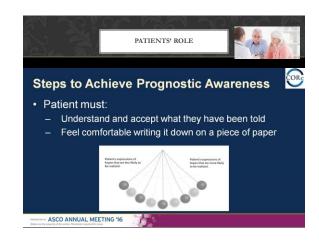
Be culturally and individually careful

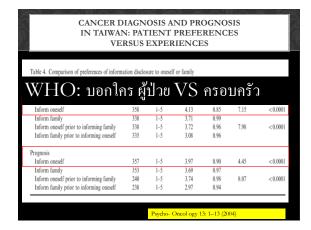
SPIKES Model for Breaking Bad News

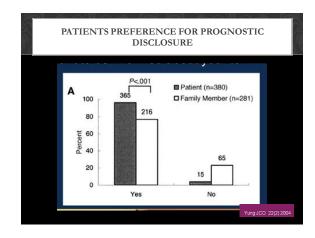
Setting up the interview
Perception of the patient
Invitation by the patient
Knowledge to the patient
Emotions of the patient
Strategy and summary

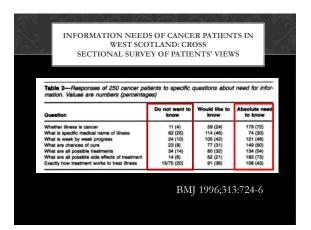
□ Technical language frequently unclear
□ 100 women with breast cancer: 73% misunderstood
"median survival"
□ No agreement on what a "good" chance of survival
meant numerically
□ Medical jargon can make bad news worse





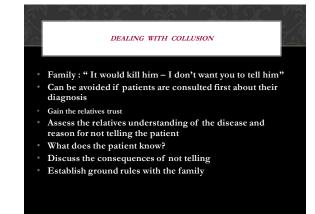






Type of Prognostic Information	Want, % of Patients	Do Not Want, % of Patients	% Responding
Common side effects of treatment	99	1	96
Treatment options	98	2	97
Common symptoms from the cancer	97	3	96
Chance that the treatment will improve symptoms	96	4	96
Uncommon symptoms from the cancer	88	12	94
Chances of treatment shrinking the cancer	95	5	98
Likely time you will be without symptoms	92	8	93
Factors which make my prognosis better or worse than average	92	8	94
Uncommon treatment side effects	91	9	94
The longest time you might live, if treatment worked as well as could be expected	85	15	94
Average length of time you would be likely to live	81	19	95
The chance of living 5 years	80	20	92
Chance of living 1 year	65	35	91
The longest time you might live without treatment	76	24	94
The shortest time you might live without treatment	72	28	94





"ไม่จำเป็นต้องบอก Prognosis ทุกคน, แต่ควรบอกเสมอเมื่อพร้อม
 "แต่เป็นสิ่งที่ควรมีการพูดคุข โดยให้คูลวามพร้อมและความต้องการของผู้ป่วย เป็นหลัก
 เวลาบอกควรแจ้งให้ผู้ป่วยทราบว่า ข้อมูลที่เรามีเป็นเพียงการประมาณจาก ข้อมูลทางสถิติเท่านั้น อาจจะอยู่ได้นานกว่าหรืออาจจะอยู่ได้สั้นกว่าที่เรา บอกก็เป็นไปได้ ทั้งนี้ขึ้นอยู่กับการดำเนินโรคและภาวะแทรซ้อนต่างๆที่ อาจจะเกิดขึ้น ซึ่งเป็นสิ่งที่เฉพาะตัวของผู้ป่วยแต่ละกน
 เวลาบอกไม่ควรบอกระยะเวลาที่เป็นดัวเลขแน่นอน เช่น เป็นเดือนๆ เป็น สัปดาห์ หรือเป็นวัน

NOT ONLY PATIENTS
EVALUATED FAMILY ,TOO

Published in final edited form as:
Oncol Nurs Forum: , 31(6): 1105–1117.

Burden and Depression Among Caregivers of Patients with
Cancer at the End-of-life

Barbara Given, Ph.D., R.M., F.A.A.N. [University Distinguished Professor].
Michigan State University
Gwen Wyatt, Ph.D., R.N., [Associate Professor],
Michigan State University
Charles Given, Ph.D., Professor],
Michigan State University
Audrey Gift, Ph.D., R.N., F.A.A.N. [Professor and Associate Dean],
Michigan State University
P. Sherwood, Ph.D.-c, R.N., CA.R.N [Doctoral Candidate],
Michigan State University
Daniello DeVoss, Ph.D. [Assistant Professor], and
Michigan State University
Mohammad Rahbar, Ph.D. [Biostatistician]
Michigan State University

Published in final edited form av

Key Points

Increasingly, cancer care is provided in the home, with family members taking on the role of primary caregivers, assisting patients with activities related to everyday tasks and with medical procedures at home.

The effects of providing care for patients with cancer at the end-of-life on caregiver burden and depression have not yet been adequately explored.

Middle aged, adult children, and employed family caregivers reported higher levels of depressive symptoms than their counterparts. Regarding caregiver burden, female, non-spouse, and adult children caregivers reported a high perception of feeling abundoned, and adult children caregivers of patients with early stage cancer and patients with multiple symptoms reported a high perception of disruption in their schedule due to providing care.

Mohammad Rahbar, Ph.D. [Biostatistician]

Michigan State University

