Quality and Appropriateness of Care

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Disclosures

• none
Integrity

• Doing the right thing, the right way, for the right reasons...
Way Too Much Heart Surgery?

Humboldt heart patients say Redding doctors betrayed their trust.
U.S. - Highest health care spending
A Tale of 2 Cities
Variations in Medicare Spending

Wide variation in Medicare expenditures

McAllen expenditure per enrollee nearly 2x that of El Paso – both Texas cities with similar demographics

CMS data
Adjusted Relative Risk for Death Across Quintiles
What is the “right” amount of care?

• One of the main drivers of care may be the supply of specialist

Fuchs et al. J of Human Resources 1978
Wennberg et al. Health Affairs 2005
Goodman et al. NEJM 2002
Outlier Practice Patterns in Moh’s Surgery

Figure 1. Distribution of Surgeons by Mean Stages per Case, 2012 to 2014

Krishnan et al. JAMA Dermatol 2017
Stage 2 colon cancer

- <12 lymph nodes examined
- Poorly differentiated (not MSI-H), perineural, lymphovascular invasion, bowel obstruction, perforation, close margin
- Co-morbidities and life expectancy
Effect of Chemotherapy

Decreased risk of recurrence

Increased survival

Survival Benefit ~3.6%

RR 0.78, CI 0.67-0.91, p=0.001

RR 0.84, CI 0.68-1.00, p=0.046

QUASAR Trial, Lancet 2007
Adjuvant Chemotherapy in Stage 2 Colon Cancer

Hazard Ratio

- HRF+, >=75, CDS 0-1
- HRF+, <75, CDS 0-1

*unpublished*
Adjuvant Chemotherapy in Stage 2 Colon Cancer

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Adjuvant Chemotherapy in Stage 2 Colon Cancer

Hazard Ratio

- HRF+, >=75, CDS 0-1
- HRF+, <75, CDS 0-1
- HRF+, >=75, CDS 2+
- HRF+, <75, CDS 2+
- HRF-, >=70, CDS 0-1
- HRF-, <70, CDS 0-1
- HRF-, >=70, CDS 2+
- HRF-, <70, CDS 2+

*unpublished
Conclusion

• Right treatment, right reason, right time, right person
• Improves quality
• Clinical and HSR research can help answer these questions
Thank you!

Questions?
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