

***Opportunities to Improve Informed Decision
Making and Goal-Concordant Cancer Care:
Long-Term Adverse Consequences***

**Providing decision support: balancing benefits
and risks**

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Two cases



1

Focus on what matters
most to patients



2

Misdiagnosing patients'
preferences



1

Focus on
what
matters
most

- What you can do
- What you know
- What you want



1

What
matters to
you?

Part of me really wants to hit this tumor hard but it's important to me to preserve who I am. I am single now but always hoped to have children. My dream is to find someone to build a mutually loving relationship. Children had always been part of that dream.



1

What
matters to
you?

I am in a major life change process right now. I have just finished school and want to reenter the work force.

I would like to keep looking for a new job but need to know what to expect from chemo.



1

Focus on
what
matters
most

- What you want
- What you can do
- What you know



2

Misdiagnosing
patients'
preferences

How often do we give
tests or treatments to
someone who would
not have chosen it?

Physician's assistant performing the procedure:

“As soon as I saw Ms. R, she looked terrified, I could see the fear in her eyes. She was shaking, visibly anxious. And I reassured her “Don’t worry, I’m going to put you to sleep. You won’t know what happened.”

And right away Ms. R looked at me, and said
“It’s not my cancer that scares me, it’s not my radiation or my chemo. The thing that scares me the most is sedation—being put to sleep.”

Sedation shared decision-making in ambulatory venous access device placement: Effects on patient choice, satisfaction and recovery time

Vascular Medicine

1-6

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Choosing a Medicine for Your Port Placement

Welcome to Interventional Radiology. You are having a brief procedure done today where a small device called a port will be placed under your skin. We would like to know what type of medicine you would prefer to keep you comfortable during the procedure. Your input is important to us.

- When compared to historical controls,
 - Most did NOT choose mod sedation (97% vs. 37%)
 - Reduced recovery time (64 vs. 22 min)
 - High patient satisfaction

What can help?



1

Focus on what matters
most to patients



2

Misdiagnosing patients'
preferences

These communication and decision making
skills can be learned (n=39 studies)

Healthcare professional training
COMBINED WITH
Patient-mediated interventions
such as decision aids

Patient decision aids can help...

105 RCTs, with 31,043 patients and 50 different topics

Improve decision quality...

- ✓ 13% absolute increase in knowledge ****
- ✓ 2-fold improvement in accurate risk perception ***
- ✓ 2-fold improvement in match between values & choices **

- ✓ Reduced decisional conflict (9%) (uninformed; unclear values)****
- ✓ Helps undecided to decide (41%)
- ✓ Patients 32% less passive in decisions***
- ✓ Improved patient-practitioner communication (7/8 trials)
- ✓ Potential to reduce over- and under-use
 - ✓ -16% elective surgery
 - ✓ -12% PSA – prostate scree
 - ✓ +65% meds for diabetes

GRADE quality:

**** high	** low
*** moderate	* Very low

Stacey et al., 2017



Do Interventions Designed to Support Shared Decision-Making Reduce Health Inequalities? A Systematic Review and Meta-Analysis

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Abstract

Background: Increasing concern that promoting shared decision making (SDM) interventions may exacerbate health inequalities.

Objective: To evaluate the effect of SDM interventions on health inequalities.

Design: Systematic review and meta-analysis.

Data Sources: CINAHL, EMBASE, HMIC, MEDLINE, the Cochrane Library, and the reference lists of included studies from inception until June 2015.

Study Eligibility Criteria: Studies that evaluated the effect of shared decision making interventions on health inequalities.

19 studies* showed that SDM interventions:

- significantly improved outcomes for disadvantaged patients
- maybe more beneficial to disadvantaged patients than those with higher literacy/socioeconomic status

(*small sample sizes and various study quality)

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Thank you!