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LEUVEN INSTITUTE FOR HEALTHCARE POLIC

Do networks work?

The road to quality controlled urology?



Dirk De Ridder, MD, PhD, FEBU Chairman dept. of urology UZ Leuven Chairman dept. Leuven Institute for Healthcare Policy KU Leuven Strategic coordinator Flemish hospital network KU Leuven

Urological networks

- Paradigm shifts in healthcare
- · Effects of networks
- Outcome
 Cost
- Quality
- What about urology?
- Recommendations
- recooninendation

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Effect on readmissions

Patient characteristics

- Charlson comorbidity index
 Private and teaching hospitals > public hospitals
- Hospital size (smaller hospitals have higher rates)

Network characteristics

- Higher centrality leads to less readmissions (OR 0,933; p<0,01)
- Ego-network density increases the odds for readmission (OR 1.5; p<0.05)
 Differences in managerial and clinical capabilities can explain some of the
- readmission findings

D. Macia et al. Social Science & Med 132(2015) 113-121

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The impact of multidisciplinary team meetings on patient assessment, management and outcomes in oncology settings: A systematic review of the literature Brindha Pillay^{3,6}, Addie C. Wootten^{3,56}, Helen Crowe^{3,5}, Niall Corcoran^{3,5}, Ben Tran⁴, Patrick Bowden⁴, Jane Crowe⁴, Anthony J. Costello^{3,56}

- · MDT have a cost and may lengthen the decisions process
- MDT lead to significant changes in the treatment of cancer patients

Can

- Unclear if these changes lead to
 - Significant changes in patient experience
 - Significant changes in QoL
 - Significant survival outcome (weak evidence)

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The effect of selection and referral biases for the treatment of localised prostate cancer with surgery or radiation Orrizopher J. D. Walls (d), Gerard Monton², Sender Henschorn³, Bonald T. Kodama¹, Grieh S. Kulkama³, Sree A. p Roger Buckley¹, Hutter Grabowsk¹, Steven A. Narod¹ and Robert K. Nar¹



CONCLUSIONS In a large, contemporary, population-based cohort of patients. newly diagnoed with prostate cancer, indiation oncology consultation prior to treatment decision was associated with an increased rate of active treatment. Selection and indertal biases, and unmeasured confounding such as patient preference must be considered as important factors attributing this association. Multidisciplinary consultations should continue to be utilised after accounting for these biases and how patient preferences can impact decision-making.

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Clinician-led improvement in cancer care (CLICC) -testing a multifaceted implementation strategy to increase evidence-based prostate cancer care: phased randomised controlled trial - study protocol Barriers Intervention Behaviour - Outcome Patient -Clinician – inveledge - current allather say techniques lathades - evidence wertweatment/hosioty laters - organing clinical rela Physician-focused component Systems & processes selective presentation of cases Context-focused Excluded fro caura Culture - variation in engagement with Multidisciplinary team Health System/ Wider Context -Palicy, availability of KU LEUVE

able 3 integs	tion of the	MDT flagging proc	ess into routine care (janked)	by percent of	patients discussed among those flagged)				The disastantan
haracterizic		Rapped		N255	Discussed' arrow	ng those flagged		20	2014 2015
	NIO	n1 (% of N1)	Adjusted # RR (25% CD)		n2 (% of N2)	Adjusted # Fill (20% CI)		3 F N A N 2 2 3	
patients:	437	318 (78%)		318	220 (69%)				
ospital							34		
995.0	35	34 (94%)	1.13 (7.08, 1.25)	54	54 (100%)	3.30 (2.7); 4.031	2		
be 5	19	6 (3299)	0.46 (0.16, 1.32)	6	6 (1099)	114 (2.53, 1.95)	3		
588.1	45	32 (67%)	0.94 (0.81, 1.080	12	33 8499	294 (2.29, 3.78)			
582.4	54	40 (7494)	0.96 (0.78, 1.17)	40	35 (90%)	2.92 (2.29, 1.72)			
595.9	52	45 (92%)	103 0.00, 120	48	43 2390	274 (2.25, 3.37)			
588.2	12	8 (57%)	0.79 (0.75, 0.84)	8	6 (75%)	2.47 (2.03, 1.02)			1, 1,
0e 7	34	25 (7490	0.94 (0.67, 1.30)	15	18 0/290	237 0.58 3.54	2		
588.9	32	29 (91.94)	1.42 (1.24, 1.63)	29	20 (6990)	2.09 (1.28, 1.37)	Cor.	tel/hac ¹ [Institut?]	hase ² Intervenion date <mark>D</mark> etervenion Phase ² Last positioniony date [Fellew
46.3	120	90.0090	19.	99	30 15190	18.			
) value			< 0001			< 0.001	1		

Conclusion

- · Transitions in care can lead to significant delay in treatment
- · Centralization leads to better
- · Adherence to guidelines
- · Adoptation of organ sparing techniques
- Improved outcome
- · Second opinion systems can lead to significant changes in treatment The role and impact of MDT meetings is important but must be evaluated
 - Reduce selection and referral bias
- · System-level interventions are more successful than individual-level interventions
- · Network dynamics have an impact on outcome

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