



Background

- **Shared decision-making (SDM)** is key to improving patient care and outcomes
- **Undescended Testicle (UDT)**
 - Source of confusion in care
- **Purpose:** This study evaluates whether an educational video can improve SDM in UDT consults

Methods

- Patients presenting for initial visit with referral for UDT
- Randomly assigned to intervention (educational video) or control (no video) group
- SDM-Q-9 completed after visit

1. My doctor made clear that a decision needs to be made.

completely disagree

strongly disagree

somewhat disagree

somewhat agree

strongly agree

completely agree

2. My doctor wanted to know exactly how I want to be involved in making the decision.

completely disagree

strongly disagree

somewhat disagree

somewhat agree

strongly agree

completely agree

3. My doctor told me that there are different options for treating my medical condition.

completely disagree

strongly disagree

somewhat disagree

somewhat agree

strongly agree

completely agree

4. My doctor precisely explained the advantages and disadvantages of the treatment options.

completely disagree

strongly disagree

somewhat disagree

somewhat agree

strongly agree

completely agree

5. My doctor helped me understand all the information.

completely disagree

strongly disagree

somewhat disagree

somewhat agree

strongly agree

completely agree

6. My doctor asked me which treatment option I prefer.

completely disagree

strongly disagree

somewhat disagree

somewhat agree

strongly agree

completely agree

7. My doctor and I thoroughly weighed the different treatment options.

completely disagree

strongly disagree

somewhat disagree

somewhat agree

strongly agree

completely agree

8. My doctor and I selected a treatment option together.

completely disagree

strongly disagree

somewhat disagree

somewhat agree

strongly agree

completely agree

9. My doctor and I reached an agreement on how to proceed.

completely disagree

strongly disagree

somewhat disagree

somewhat agree

strongly agree

completely agree

Results

Total: 153 parents/guardians

- Control Group: 92
- Intervention Group: 61

		Video			
Characteristic		Total	No	Yes	p-value
Total		100.0% (153)	60.1% (92)	39.9% (61)	
My doctor made clear that a decision needs to be made.	Mean	4.4	4.3	4.6	0.266
	Std Dev	1.1	1.3	0.8	
My doctor wanted to know exactly how I want to be involved in making the decision.	Mean	4.4	4.3	4.6	0.129
	Std Dev	1.1	1.2	0.8	
My doctor told me there are different options for treating my medical condition.	Mean	4.2	4.0	4.5	0.072
	Std Dev	1.3	1.5	0.7	
My doctor precisely explained the advantages and disadvantages of the treatment options.	Mean	4.4	4.3	4.6	0.236
	Std Dev	1.1	1.3	0.7	
My doctor helped me understand all the information.	Mean	4.6	4.5	4.7	0.126
	Std Dev	0.9	1.0	0.8	
My doctor asked me which treatment option I prefer.	Mean	4.2	4.0	4.6	0.036
	Std Dev	1.3	1.4	0.9	
My doctor and I thoroughly weighed the different treatment options.	Mean	4.2	4.0	4.5	0.036
	Std Dev	1.3	1.4	0.9	
My doctor and I selected a treatment option together.	Mean	4.4	4.2	4.7	0.054
	Std Dev	1.2	1.3	0.8	
My doctor and I reached an agreement on how to proceed.	Mean	4.6	4.4	4.7	0.091
	Std Dev	1.0	1.1	0.7	
Overall SDMQ9 Score	Mean	87.7	84.5	92.5	0.050
	Std Dev	19.8	22.2	14.5	

Conclusions

- An educational video prior to initial visit on UDT increased understanding and quality of SDM in our population

Discussion

- **Limitations**
 - Single institution, English and Spanish only
 - Greater number of participants in control group
 - Clinical significance of these differences
- **Future Studies**
 - Role of demographic factors
 - Expand intervention to multiple sites, additional languages, and other pediatric urologic conditions

References

• Carlisle EM, Shinkunas LA, Kaldjian LC. Do surgeons and patients/parents value shared decision-making in pediatric surgery? A systematic review. *Journal of Surgical Research*. 2018;231:49-53. doi:10.1016/j.jss.2018.04.042

• Chan KH, Misseri R, Cain MP, et al. Provider perspectives on shared decision-making regarding hypospadias surgery. *Journal of Pediatric Urology*. 2020;16(3):307-315. doi:10.1016/j.jpuro.2020.03.015

• Doherr H, Christalle E, Kriston L, Härter M, Scholl I. Use of the 9-item Shared Decision Making Questionnaire (SDM-Q-9 and SDM-Q-Doc) in intervention studies—A systematic review. van Wouwe JP, ed. *PLoS ONE*. 2017;12(3):e0173904. doi:10.1371/journal.pone.0173904

• Kriston L, Scholl I, Hölzel L, Simon D, Loh A, Härter M. The 9-item Shared Decision Making Questionnaire (SDM-Q-9). Development and psychometric properties in a primary care sample. *Patient Education and Counseling*. 2010;80(1):94-99. doi:10.1016/j.pec.2009.09.034

• Leslie S, Sajjad H, Villanueva C. Cryptorchidism. In: *StatPearls*. StatPearls Publishing; 2021. <https://www.ncbi.nlm.nih.gov/books/NBK470270/>

Disclosures

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