Family-Relevant Factors of Patients and Caregivers for Family Wellbeing and Shared Decision-Making in Vascular Surgery

14 Participants: 5 Vascular Surgery Patients, 9 Caregivers, Sept 2023-March 2024

Methods

Quantitative: Patient self- and caregiver proxy-assessment pre- and postoperatively

NIH PROMIS Instruments Collected			
	Patient (Self)	Patient Proxy (Caregiver)	Caregiver
Mobility	x	x	
Cognitive Function	x	x	
Pain	x	x	
Psychosocial Impact	x	x	
Support	x	x	
Self Efficacy	x	x	
Caregiver Strain			x
Family Disruption			x

Qualitative: Patient and caregiver 30-minute interviews (pre- and postoperatively)

Interview Questions Derived from NIH FACQ-PC Framework

FACQ-PC Theme: I feel our family is closer because of caring for "X".

Interview Question: What changes have you seen within the family during this process?

Participant Response: "It's sad to say but every time that we have something really bad, we get even closer."

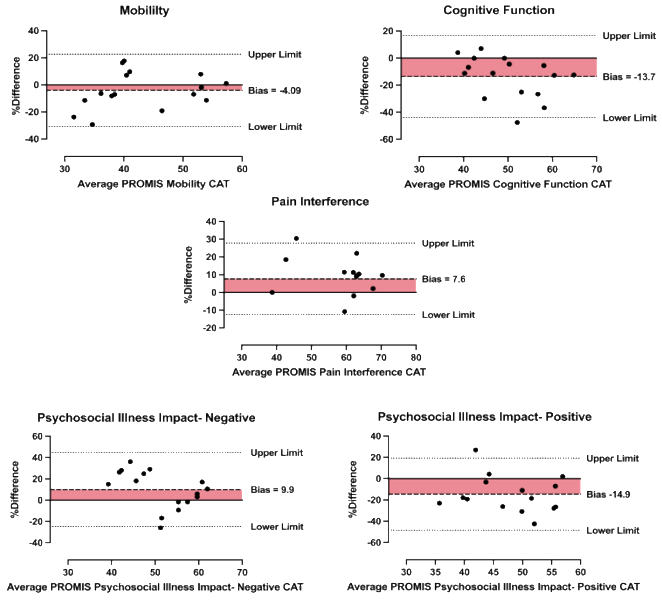
Emergent Themes from Qualitative Interviews

- Shifting Social Roles
- Family's Collective Wellbeing
- Preservation of Independence
- Emotional and Physical Support

Results

PROMIS Patient Self-Assessment and Caregiver-Proxy Agreement

PROMIS	Time Collected	ICC	p-value
Mobility	Preoperatively	0.88	0.01
	Postoperatively	0.90	< 0.01
	Post-Preoperative Change Score	0.80	0.04
Cognitive Function	Preoperatively	0.842	0.02
	Postoperatively	0.475	0.15
	Post-Preoperative Change Score	0.342	0.29
Pain Interference	Preoperatively	0.915	0.02
	Postoperatively	0.918	<0.01
	Post-Preoperative Change Score	-0.48	0.68
Psychosocial Illness Impact- Negative	Preoperatively	0.765	0.03
	Postoperatively	0.446	0.18
	Post-Preoperative Change Score	0.774	0.04
Psychosocial Illness Impact- Positive	Preoperatively	0.761	0.08
	Postoperatively	0.223	0.32
	Post-Preoperative Change Score	0.367	0.34
Average Preoperative Agreement		**0.84**	
Average Postoperative Agreement		**0.64**	
Average Change Score Agreement		**0.42**	



Conclusions

Caregivers underestimate function compared to patient self-assessment. Preoperative function and observable characteristics like mobility and pain behavior have less bias.

Qualitative responses were mirrored PROMIS.

FAMILY WELL-BEING RESEARCH NETWORK: Measuring Family Well-Being across the Lifespan
NIH: 5-U24-HD-107562-03, SUBK00021013