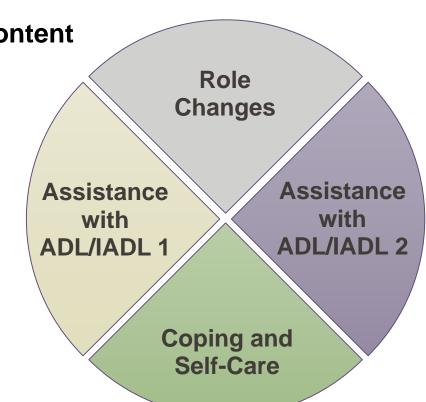
Simulation-Based Caregiving Skills Training and Psychoeducation Support for Caregivers of High-Grade Glioma Patients

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P	ackground	Figure 1. In	terventio	n Cont	
•	Caregivers of patients with high-grade gliomas experience unique challenges as they manage patient symptoms, coordinate care, provide emotional support, and assist with activities of daily living				
•	Interventions focused on caregiving skills that integrate hands-on skills training with emotional coping strategies are needed				
•	Our purpose was to establish feasibility of a simulation-based skills training and psychoeducation support intervention for caregivers of patients with glioma				
N •	lethods 10 caregivers participated in a 4-session, Registered Nurse- delivered intervention (Figure 1)	Virtual Session 1: Ro Identify areas of family changes in family roles			
•	 Measures for Patients Hospital Anxiety and Depression Scale (HADS) MD Anderson Symptom Inventory-Brain Tumor (MDASI-BT) 	In-person Session 2: A Practice ADL and IADL mobility, medication ad			
•	 Measures for Caregivers Hospital Anxiety and Depression Scale (HADS) Caregiver Reaction Assessment (CRA) Caregiver Self-Efficacy (CSE) 	In-person Session 3: A Practice successful AD			
R	esults		Session rt coping,	-	
•	29 dyads approached;10 dyads (34%) consented		r, and mai	•	
•	7 dyads completed all 4 sessions				
•	3 dyads were removed from the study following patient transition to	Table 1. Caregiver Outcomes (n			
	hospice		Base Mean	SD	
•	Patients had a mean age of 60.11 years; 89% were male	HADS			
•	All caregivers (mean age: 57.89 years, 80% female, 80% spouses)	HADS-A	3.00	3.30	
	perceived benefit from the program (Figure 2)	HADS-D	3.11	2.98	
•	Patient symptom burden was mild at baseline (mean = 1.29 , SD = 4.29)	MDASI-BT			
	1.28)	Core	1.33	1.35	
•	Caregiver anxiety was mild at baseline (mean = 7.71 , SD = 2.98)	Module	1.03	0.96	
•	Paired <i>t</i> -tests revealed a marginally statistically significant improvement in caregiver self-efficacy 6 weeks post-intervention; no other pre-post intervention comparisons were statistically significant (Table 1, Table 2)	Interference	1.50	1.73	

Funding: NIH/NCI R21CA273782; Dr. Whisenant is supported by a research career development award (K12AR084228: Building Interdisciplinary Research Careers in Women's Health Program-BIRCWH; Berenson, PI) from the National Institute of Arthritis and Musculoskeletal and Skin Diseases of the National Institutes of Health



le Changes

life that have been disrupted; offer emotional support around and possible solutions for coping with roles

Assistance with ADL and IADL 1

. assistance (feeding, hygiene, bathing, toileting, transferring, ministration, fall prevention, care coordination)

Assistance with ADL and IADL 2

DL and IADL assistance

ping and Self-Care

y barriers, activate social network, address emotions of guilt and sense of self in the new normal

s (n =	9)		Table 2. Caregiver Outcomes (n = 10)					
	6-week			Baseline		6-week		
SD	Mean	SD		Mean	SD	Mean	SD	
			HADS					
.30	5.43	3.95	HADS-A	8.80	3.30	6.71	6.16	
.98	4.14	2.77	HADS-D	4.20	2.66	3.00	3.87	
			CSE	3.58	0.75	4.23*	0.44	
.35	1.21	2.13	CRA					
			SE	4.40	0.39	4.43	0.34	
.96	1.70	1.59	LFS	1.94	0.68	2.31	1.34	
.73	2.19	2.55	IF	2.20	0.80	2.67	1.23	
			IS	3.32	0.47	3.31	0.85	
			IH	2.18	0.57	2.11	0.79	
			L					

Figure 2. Intervention Participant Quotes

"I appreciate the attention to addressing issues with the caregiver. It is a reminder to take time for yourself during this journey."

"Everything went very well. This is all new to me so my knowledge of what to do is still limited. I look forward to the direction and help that can improve my care to my wife's needs now and in the future."

need to help my spouse."

"The instructor was very professional and willing to demonstrate how I can better prepare my home for the care of my wife. Looking forward to future trainings as her health care needs change."

"It was helpful to be in a home setting."

"This class was very helpful to me as a caregiver to my husband. It showed me skills that may come in handy while dealing with a brain tumor patient. I also learned that I need to care for myself and that it's ok to take time for myself so I can be the best help to my husband."

Conclusions

- glioma and their caregivers
- distress at baseline
- trial

64-year-old female caring for spouse

45-year-old male caring for spouse

"[Interventionist] was very helpful and did a great job of demonstrating skills I may

52-year-old male caring for spouse

45-year-old male caring for spouse

40-year-old female caring for brother

67-year-old female caring for spouse

 This novel supportive care program appears to be safe, feasible, acceptable, and subjectively useful for patients with high-grade

• Lack of improvement in symptoms post-intervention may be explained by mild levels of patient symptoms and caregiver

• A targeted sampling approach for those with elevated caregiver distress may be needed in the subsequent randomized controlled



