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Feature Article

The association of collaboration between family caregivers and nurses in the hospital and their preparedness for caregiving at home

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ABSTRACT

Family caregivers of an older person who was recently hospitalized often feel unprepared for their new or expanded tasks. Quality and continuity of care for older people is expected to improve when nurses collaborate with family caregivers as partners in care. The aim of this study was to explore the unique contribution of collaboration between family caregivers of older patients and hospital nurses as a possible predictor for preparedness of caregiving after hospital discharge. With a cross sectional design, a postal survey was sent to 777 family caregivers of home-dwelling hospitalized patients (≥ 70 years). Regression analyses were used to test the association between collaboration and preparedness for caregiving. In total, 506 (68%) family caregivers responded of whom 281 (38%) were eligible. Their mean (SD) age was 65 (13) and 71% were female. Family caregivers' level of collaboration with nurses was significantly associated with their preparedness for caregiving.

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Introduction

Family caregivers play a crucial role in supporting their relative at home and, therefore, it is important that they feel prepared for caregiving when their older relative is discharged from the hospital.^{1–3} Preparedness for caregiving can be defined as how well prepared the family caregiver believes him or herself to be for the tasks and stress of the caregiving role.⁴ Feeling prepared for caregiving after a hospital discharge has been found to have a positive effect on both the patient and family caregiver.⁵ Family caregivers' preparedness for caregiving is positively associated with patient outcomes such as reduced pain levels as well as improved functional and mental health status.⁶ In addition, it is associated with better quality of life of the family caregiver^{7,8} and with lower levels of caregiver strain and burden.^{4,9}

Since older persons are more frequently hospitalized due to the consequences of chronic illnesses¹⁰ and the length of hospital stay is shortening, the care that family caregivers offer their ill relatives at home has become more complex.¹¹ This often results in greater demands on these caregivers¹² who frequently feel unprepared for their new or expanded caregiving tasks.^{13,14} Family caregivers feel better prepared for caregiving when they are offered more involvement in the coordination of care of their relative.^{6,13,15} When nurses view family caregivers as care partners¹⁶ and collaborate with them,² the quality and continuity of care for older adults improves.

Collaboration between nurses and family caregivers can be defined as the situation of two or more people working together to create or achieve the same thing.¹⁷ This definition is in accordance with a study of Boyle and Kochinda¹⁸ on enhancing collaborative communication between nurses and physicians in intensive care units. The authors defined collaboration as the process of joint decision-making between different parties where decisions are joint ownership and collective responsibility exists for the results.¹⁸ Family caregivers perceive collaboration with nurses as a caring partnership through which they would receive regular updates and, most importantly, be involved in decision making.¹⁹ Collaboration in this study means that nurses who are responsible for the daily nursing care of

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older people who are admitted to the hospital have contact with family caregivers and actively involve them in a process of information exchange and joint decision-making as partners in care. Nurses play an important role in collaborating with family caregivers as care partners^{2,20} and in utilizing the expertise of those who care for a relative.^{1,21,22} A part of nurses' professional responsibility is to support patients and their family in order to strengthen the self-management of older people when possible.^{23,24}

Based on these studies, it can be hypothesized that when family caregivers of older patients experience collaboration with nurses in the hospital, they are expected to feel prepared for caregiving at home. Therefore, the aim of this study was to explore the unique contribution of collaboration between family caregivers of older patients and hospital nurses as a possible predictor for preparedness of caregiving after hospital discharge.

Method

A cross sectional design using a postal questionnaire was used to examine family caregivers' perceived level of collaboration with hospital nurses and their degree of preparedness for caregiving at home.

Sample and setting

Since the focus of the study is on family caregivers, a convenience sample of family caregivers was identified who met the following inclusion criteria: they were a family caregiver of a home-dwelling patient of ≥ 70 years of age who was admitted to the hospital for at least two days. Excluded were family caregivers of patients who were living in a care facility or had been admitted for day treatment. To measure collaboration between family caregivers and nurses in the hospital, family caregivers also had to meet the following criteria: the family caregiver (1) visited the patient during the hospitalization, (2) had actual contact with nurses, and (3) were involved in making follow up agreements at discharge. In this study, family caregivers are defined as persons who are important for patients' support at home as identified by the patients themselves. Therefore, they could be partners, family members, friends, neighbours, etc. These individuals were not being paid for their support. Patients could also identify more than one family caregiver to be included in the study. Family caregivers of elderly patients were recruited from five general hospitals in the Netherlands with a total of 22 hospital wards, namely six internal medicine wards, five cardiology wards, five pulmonology wards, five neurology wards, and one geriatric ward.

Data collection

The Medical Ethics Review Committee of the University Medical Center Groningen ruled that this study was not under the regulation of the Medical Research Involving Human Subjects Act (Reference METc 2015/620). Permission to perform the study was granted by the directors of the participating organizations. Prior to the beginning of the study, charge nurses were informed about the purpose of the study by their managers and through a newsletter.

Charge nurses screened admitted patients to determine whether they met the inclusion criteria. When eligible, patients were approached and informed of the study purpose by data collectors who were fourth year bachelor nursing students. The name and addresses of primary caregivers were then obtained from the patient. Approximately four to seven days following the discharge of the patient from the hospital, a questionnaire and a return envelope was sent to family caregivers' home addresses. After two weeks, a reminder was sent to non-responders. Patients received written and oral information about the study and gave their informed consent for obtaining patient demographics from the patients' chart and for

publication of the results. Family caregivers voluntarily participated in the study and gave their consent for participation and publication of the results before completing the survey. Patients and family caregivers were assured they could discontinue participation. Data were collected in 2016 and 2017.

Measures

Preparedness for caregiving

Preparedness for caregiving was measured with the widely used 'Preparedness for Caregiving Scale' (PCS) of the Family Care Inventory.^{4,7,25–28} The PCS consists of eight self-reported items that measure the degree of preparedness of family caregivers to take care of a relative at home. All of the response alternatives were expressed in Likert scales ranging between 1 and 5 with 1 being 'not at all prepared' and 5 'very well prepared'. Cronbach alphas of 0.88–0.93 have been reported for this scale.^{25,26} The PCS was translated from English into Dutch by two independent professional translators providing forward and back translation of the instrument. Reconciliation of the first translation into Dutch was discussed by the first author and two co-authors. The Dutch and English versions of the PCS are found in Supplemental file B. The reliability of the PCS in our population is excellent with a Cronbach's alpha of 0.945, compared to earlier reported studies.

Family collaboration scale

Collaboration was measured with the '20-item Family Collaboration Scale' (FCS) Dutch language version that was found to be a valid and reliable instrument that measures family caregivers' experiences of collaboration with nurses in the hospital (Author blinded, submitted manuscript, November 29th, 2018). The 20-item FCS consists of three subscales, 'Trust in nursing care', 'Accessible nurse,' and 'Influence on decisions' with ordinal alphas of 0.81, 0.87 and 0.88, respectively, and a Cronbach's alpha of 0.89 for the total scale (Author blinded, submitted manuscript, November 29th, 2018). Response alternatives were expressed in Likert scales from 1 to 5, with a higher score representing a higher level of collaboration. Response alternatives are Never- Always or Totally disagree – Totally Agree. One 'negatively' formulated item of the scale (item 16) was subsequently reversed in order to facilitate data analysis.

Family caregivers' demographics and caregiving history

Family caregiver characteristics included age, gender, marital status, their relationship and whether they were living with the patient, highest level of education, work status, if they had children at home, if they had a professional background in healthcare, and the frequency and duration of offered support to the patient at home.

Data analyses

Data analyses were performed using IBM SPSS Statistics version 24.0.²⁹ Respondents who had $>25\%$ (two items of the PCS or five items of the FCS) missing data were removed from the data analysis. Missing values of questionnaires with $\leq 25\%$ missing were replaced by the series mean rounded to the nearest integer.³⁰ Family caregivers' and patients' demographic data were reported using descriptive statistics which were also used to analyse the mean scores (SD) of the two scales applied in this study. For comparative purposes, the mean sum scores of the PCS and the FCS were transferred to a 100-point scale. To determine the internal consistency of the PCS, Cronbach's alpha was calculated with a value of >0.7 considered acceptable.³¹

A univariate analysis was used to explore the influence of covariates and the independent variable of collaboration to family caregivers' degree of preparedness (see Fig. 1). Next, multiple linear

Fig. 1. Study model.

regression analyses were used to test the association between preparedness and collaboration as well as the covariates (see Fig. 1). The covariates family caregiver's characteristics and the frequency and duration of their support were entered in Steps 1 and 2, respectively, in order to statistically control for these. The independent variable collaboration was entered in Step 3 in order to explore its unique predictive value on preparedness. A regression analysis was performed using the Enter method, and outcome parameters were expressed in Beta, the standardized version of *b*-values. These values are easier to compare because they are not dependent on the units of measurement of the different parameters but measured in standard deviation units.³² The significance level of 0.05 was used throughout based on T-tests.

Results

Initially, 802 family caregivers were approached to participate in the study of which 25 dropped out resulting in sending out 777 questionnaires (see Flowchart in Fig. 2). A total of 506 (68%) family caregivers returned the questionnaire whereby 51 (10%) family caregivers were omitted from further analysis because more than 25% of the items were missing per subscale scale, resulting in 455 (59%) completed questionnaires. In addition, data from 174 (22%) family caregivers had to be excluded because of not meeting the inclusion criteria (See the flowchart in Fig. 1). The PCS scale had a total of five missing values, and the FCS had 17 items with 1–3% missing values, one with 6% (item 14), and one item with 15% (item 21) missing values. These missing values were replaced by the series means.

In Table 1, the family caregivers' characteristics are provided. Most family caregivers were either the partner of the patient or a child. Most were women and married. Approximately half of the family caregivers live with the patient, and the majority have supported the patient for more than one year.

Although the main focus of the study is on family caregivers, some characteristics of patients are provided to offer a patient related context to the family caregivers included in the study. The average age (SD) of patients was 79.4 (6.2) years old and 148 (54%) men and 126 (46%) female. Of these patients, 173 (64%) were married or living together, 74 (28%) were widowed, and 21 were single (8%). The average (SD) length of hospital stay was nine (6.2) days.

In Table 2, descriptive statistics summarize the distribution of each PCS item. Percentages of responses show normal distributions. The mean items scores show a moderate degree of preparedness with scores ranging from 2.87 (possible range 1–5) for item 1 on how well-prepared family caregivers feel for taking care of the patient's physical needs to 3.32 for item 6 on how well-prepared they are to respond to and handle emergencies.

The mean scale score on the PCS in Table 3 shows an average degree of family caregivers' preparedness for caregiving with a mean score of 53.1 (100-point score) and a mean score of 67.5 on their experienced level of collaboration with nurses.

In Table 4, the univariate analyses of preparedness for caregiving are first given together with the covariates family caregivers' characteristics, frequency and duration of support and the independent variable collaboration. Most predictor variables are significantly associated with preparedness. A strong association with preparedness for caregiving was found for the independent variable of collaboration between family caregivers and nurses. Caregivers who are partner of the patient or live with them or those who have a higher level of education feel more prepared for caregiving. Also, family caregivers' health status is positively associated with a higher degree of preparedness. Family caregivers who are older, who do not have paid work, and those who do not have a professional background in health care feel less prepared for caregiving.

Next, the model for each step of the multiple regression analyses is given in Table 4 with the family caregivers' characteristics in Step 1, the frequency and duration of support in Step 2, and the perceived level of collaboration in Step 3.

Table 4 shows that the family caregivers' perceived level of collaboration is significantly associated with their degree of preparedness even after correcting for covariates. Of the family caregivers' characteristics, highest level of education, background in health care, and health status one year ago are significantly associated with preparedness for caregiving. When correcting for frequency and duration of support in Step 2, these covariates are still significantly associated with preparedness as is also the frequency of support. In Step 3 of Table 4, these covariates remain significantly associated with preparedness when collaboration is added to the model. Based on the Beta coefficients in Step 3, the independent variable of collaboration has the highest Beta value and, therefore, the most important predictor value in the model.

As seen in Table 4, the R squares of the three steps show that family caregivers' characteristics, their frequency of support at home, and their level of collaboration explain 23.4% of their degree of preparedness for caregiving. Each step adds to the percentages of variances explained and are significant with *p*-values <0.01. After correcting for covariates, family caregivers' perceived level of collaboration explains an additional 5.7% of the preparedness variance.

Discussion

The results of this study show that family caregivers who perceive a higher level of collaboration with nurses also show a higher degree of preparedness for caregiving at home after discharge of the patient from the hospital. This study adds to the limited body of evidence of exploring the relationship between family caregivers' collaboration with nurses in the hospital and the caregiver's feeling of preparedness for taking care of an older person at home. Findings are supported by a study of Weinberg et al.⁶ who found that relational coordination between informal caregivers of knee replacement patients and formal providers improved caregiver preparation to provide care, measured after six weeks surgery.

Fig. 2. Flowchart of eligible respondents.

This is one of the few studies that specifically takes into account the concept of collaboration between hospital nurses and family caregivers who care for older persons. This study indicates that collaboration with family caregivers is significantly associated with their degree of preparedness. Therefore, collaboration between them and nurses improves family caregivers' preparedness, which may in turn lead to experiencing less role strain when they are prepared for caregiving.^{5,9} Findings are also in accordance with studies that found that, when nurses involve family caregivers of older patients during the admission and discharge phase, more effective exchange of information and calibration of expectations can be achieved³³ and, as a result, improved their feelings of preparedness for caregiving.¹⁵ This may suggest that family caregivers who perceived a higher level of collaboration with nurses may have experienced a more effective exchange of information and, therefore, may know better what to expect at home and may have also felt more involved in decision-making. These findings underline the crucial role that nurses play in the collaboration with family caregivers in order to ensure optimal care for patients after hospital discharge. Earlier studies have shown that, when family caregivers feel prepared for caregiving at home, the

health and self-care ability of older persons experiencing chronic conditions can also increase.^{34,35}

Findings also show that family caregivers who have a background as a professional in health care experience a higher degree of preparedness for caregiving at home compared to those who did not have a background in healthcare. When family caregivers have prior experiences as a professional in healthcare, they may have a better idea on what to expect after discharge and, therefore, feel prepared for caregiving at home. No other studies addressing preparedness for caregiving were found to include this covariate as a characteristic of the caregiver. Family caregivers who support the patient more frequently and consequently have more experience also report a higher degree of preparedness for caregiving.

A higher level of education was also independently associated with a higher degree of preparedness in caregiving. This may imply that nurses need to keep family caregivers' level of understanding into account while communicating with them. Finally, family caregivers' self-reported previous health status (one year ago) was also positively related to a higher degree of preparedness for caregiving. This finding was supported by Bull et al.³⁶ who found family

Table 1
Family caregivers' characteristics (N = 281).

Variable		Mean (SD)
Age		64.1 (13.1)
Gender		%
Gender	Female	71
	Male	29
Marital status	Married/living together	89
	Single/divorced/widowed	11
Highest level of education	Primary/ lower vocational education	21
	Secondary education: lower general/ upper vocational/ upper general	53
	Bachelor/master education	26
Current health status	Average/poor	18
	Good	56
Past health status (1 year ago)	Excellent / Very good	26
	Somewhat worse / much worse	17
	About the same	76
Professional background in healthcare	Much better / Somewhat better	7
	Yes	24
Children living at home	No	76
	Yes	24
Paid employment	No	76
	Yes	39
Relationship to patient	No	61
	Partner	48
Living with patient	Daughter/son	41
	Other*	11
Frequency of support	Yes	48
	No	52
Duration of support	One a week or less	22
	2–3 times a week	24
	4–6 times a week	11
	Every day	43
	Just now, since hospital discharge	22
	Less than 3 months	7
Duration of support	4–12 months	9
	More than one year	62

* Niece/nephew (9), daughter/son in law (8), Brother/sister (3), Friend (3), Grandchild (2), Neighbour (2), family caregiver (2), sister in law (1) and stepdaughter (1).

members' health status to be an indicator of potential health risk in the caregiving situation. In contrast, Hendriksson and Årestedt³⁷ ascertained no association between health and preparedness in a population of caregivers for relatives with a life-threatening illness. Still, it seems to be important for nurses to be

attentive to or specifically ask about family caregivers' health status.

The overall mean score of 3.12 for preparedness for caregiving in this study was also found in a study on oncology patients⁵ but was overall higher than what was found in other studies on heart failure patients²⁷ (2.1) and stroke survivors²⁸ (1.9) and in intervention studies that measured the effect changes of preparedness for caregiving with mean scores of 2.9, 2.9, 2.1 and 2.4, respectively.^{38–41} In contrast, Scherbring⁹ found a higher overall mean score of 3.5 on preparedness for caregiving in a population with caregivers of oncology patients. This could suggest that the family caregivers' degree of preparedness for caregiving could be further improved.

Referring to the overall mean score of collaboration of 67, findings of this study also imply that the involvement in the matter of collaboration with family caregivers could be further extended. On the one hand, this may be a cultural aspect in that nurses need to be aware of the role that family caregivers have in supporting the health and self-care ability of older patients in the hospital. Family caregivers should be considered as part of the healthcare team that needs to be prepared for caregiving tasks at home instead of relatives who primarily require information or who have practical problems that need to be solved.⁴² This was also found in studies that have shown that, when nurses have a positive attitude towards families and believe family presence in the hospital is important, they are more likely to include families in nursing care.^{43,44}

On the other hand, structural collaboration between nurses and family caregivers needs more attention because findings of this study show the importance that collaboration can have on family caregivers' preparedness for caregiving. Results emphasize the importance of patient and family focused care in order to maintain continuity of care as part of the professional nurses standard and subsequently promote patients' selfcare.^{23,24} In order to do so, nurses must assume more of a coaching role supporting the patient's own resources while hospitalized instead of taking over patient and family caregivers' responsibilities. Lowson et al.² also found that family caregivers felt their role of 'conductors' of the patients' wellbeing and the person who coordinates the care as a liaison and advocate with formal caregivers vastly reduced to 'second fiddler' when their relative was admitted to the hospital. Overall, nurses can start collaboration with family caregivers by a three-phase sequence: (1) involvement through establishing basic bonding and communication channels, (2) collaboration by forming partnership based on the recognition of common goals and (3) empowerment by sharing of power and responsibility.⁴⁵ These steps are not unique to the nursing discipline but the awareness of the importance of collaboration can also apply to other health care professionals.

This study focused specifically on the association between family caregivers' experiences of collaboration with nurses in the hospital

Table 2
Percentages of responses and mean scores of family caregivers' preparedness for caregiving.

Item	Percentages of responses*					Mean	SD
	1	2	3	4	5		
1. How well prepared do you think you are to take care of your relative's physical needs?	16	21	32	23	8	2.87	1.17
2. How well prepared do you think you are to take care of your relative emotional needs?	8	20	32	30	10	3.15	1.09
3. How well prepared do you think you are to find out about and set up services for your relative?	7	18	33	31	11	3.22	1.08
4. How well prepared do you think you are for the stress of caregiving?	11	22	33	29	5	2.97	1.07
5. How well prepared do you think you are to make caregiving activities pleasant for both you and your relative?	9	20	31	34	6	3.10	1.06
6. How well prepared do you think you are to respond to and handle emergencies that involve your relative?	8	15	28	37	12	3.32	1.11
7. How well prepared do you think you are to get the help and information you need from the health care system?	6	19	33	32	10	3.21	1.06
8. Overall, how well prepared do you think you are to care for your relative?	6	20	34	31	9	3.16	1.04
Total score						3.12	.092

* Response alternatives were 1. Never- 5. Always or 1. Strongly disagree – 5. Strongly agree with the response categories 2, 3 and 4 in the middle; a higher score representing a higher degree of preparedness for caregiving.

Table 3

Scale scores of PCS and FCS.

Scale	Range	Mean (SD)	Mean (SD)	Cronbach's alpha
		Raw score	100-points score	
Preparedness	8–40	24.99 (7.37)	53.1 (23.0)	0.945
Collaboration	20–100	73.97 (12.48)	67.5 (15.6)	0.892

and their preparedness for caregiving and was measured with a valid scale on collaboration with nurses in the hospital. The study population was a general group of older persons who still live at home and were hospitalized. This specific population of older hospitalized patients is critical because they have different, more vulnerable social networks than younger patients. Half of the family caregivers in this study were the patients' partners who are old themselves; the other half were children who have work and families of their own.

Previous studies have shown that there is a positive relationship between family caregivers' support and optimization of self-care abilities of elderly individuals experiencing chronic diseases.^{34,46–49} As a consequence of a shift from professional care to informal care, family caregivers are increasingly expected to support their chronically ill family member at home.¹¹ Their role as informal partners in the care for older individuals is therefore of increasing importance for the health care system. This not only applies for family caregivers' contact with nurses in the hospital, but also other health care professionals. Our findings support the need for nurses to assess the role that family caregivers play in the care for older persons at home when they are admitted to the hospital. Family caregivers are largely present during planned discussions such as the admission interview and family meetings between nurses and older patient admitted to the hospital, creating many opportunities for nurses to assess their role at home.⁵⁰

Family caregivers support their relatives in Activities of Daily Living (ADL), medication adherence, life style instructions and increasingly with nursing care activities. Therefore, it is important to ensure that family caregivers are prepared to cope with the increased demand of support at home. When family caregivers are involved in the organisation of care from admission to discharge, they can contribute to the optimization of care offered to the patient in the hospital and at home when discharged and simultaneously monitor the continuity of care.^{2,51} Secondly, family caregivers also need to be involved in order to tailor care and treatment options to patients'

capabilities and preferences, as well as those of the family caregiver. When nurses involve family caregivers in the planning of care and actively collaborate with them in the decision-making process, the quality and continuity of care for older adults is likely to improve and might also result in a significant decrease in hospital admissions and days spent in the hospital.⁵² Future research could focus on the effect that family caregivers' preparedness for caregiving might have on patient outcomes like quality of life and better self-care and fewer readmissions.

In most western societies, it is a trend that family caregivers must take on more responsibilities in caring for their older persons at home after they are discharged from the hospital. Therefore, the results of this study might be predominantly relevant for nurses in western societies. Nevertheless, it is likely that similar results might be applicable in other countries; therefore, reproduction of this study in other countries could be relevant using this study as a reference.

Strengths and limitations

A convenience sample of family caregivers of five general hospitals in the Netherlands was obtained; therefore, the generalizability of the results might be limited. However, a number of steps have been taken to include the right patients and their most significant family caregiver. This resulted in a representative sample from which the right target group of family caregivers has been identified. In order to include the right target group, family caregivers' inclusion criteria could only be assessed after the patient was discharged from the hospital. This resulted in a reduction of 22% of the family caregivers who were sent a survey but did not meet the inclusion criteria for this study. The covariates and the independent variable of collaboration in this study predicted almost a quarter of the degree of family caregivers' preparedness for caregiving, suggesting that other variables may improve their preparedness for caregiving as well. Although this study shows a significant predictive value of collaboration, it is a cross sectional study and, no causal effects can be assumed.

Family caregivers' prior experiences with a hospital admission of their relative were not part of this study and may have affected their responses as this was identified as a barrier of collaboration.⁵³ Their feelings of preparedness and their experiences of collaboration entail subjective responses and might provoke socially desirable behaviour which could influence the reliability of study results. This is the first

Table 4

Univariate and multiple regression analysis of preparedness for caregiving.

	Univariate analysis		Multiple regression analysis					
	Beta	p	Step 1		Step 2		Step 3	
			Beta	p	Beta	p	Beta	p
Age	−0.144	.015						
Gender	−0.025	.673						
Marital status	0.068	.253						
Highest level of education	0.191	.001	.158	.029	.150	.034	.180	.009
Children living at home	−0.070	.246						
Paid employment	−0.119	.046						
Relationship to patient	0.143	.017						
Living with patient	0.128	.032						
Background in Healthcare	−0.235	<0.001	−0.212	.001	−0.219	.001	−0.233	<0.001
Current health status	0.161	.007						
Health status one year ago	0.196	.001	.159	.021	.168	.013	.140	.032
Frequency of support	0.047	.447			.189	.019	.182	.019
Duration of support	0.146	.025						
Collaboration	0.223	<0.001					.250	<0.001
R square		.136*	.177**	.234**				

* Significance level <0.01.

** Significance level <0.001. P: p-value < 0.05. Beta: Beta coefficient.

time that the 20-item FCS has been applied; therefore, it was not possible to compare the results with other studies.

Conclusion

This study shows that family caregivers' perceived collaboration with nurses in the hospital is significantly associated with family caregivers' feelings of preparedness for caregiving. Collaboration between nurses and family caregivers of older patients in the hospital is a relatively new concept that becomes more important now that the role of these informal partners in care becomes more demanding. A prepared family caregiver experiences less role strain and, therefore, contributes to a better quality of life for both their relative and themselves. Prepared family caregivers need nurses who support patients' own social networks while being hospitalized by actively assessing the role of family caregivers and acknowledging them and collaborating with them as an informal partner in care.

Conflict of interest

The authors have no conflicts of interests to disclose.

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Supplementary materials

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