

## SUPPLEMENTARY MATERIAL

**Supplementary Table 1.** Participant's perceptions of their competences in the basic domains of palliative care for the elderly with dementia

<i>Competence domain</i>	<b>N</b>	<b>Lower value</b>	<b>Higher value</b>	<b>Mean</b>	<b>SD</b>
Managing patients' physical symptoms	94	1,00	4,00	2,82	0,72
Managing patients' psychosocial needs	94	1,00	4,00	2,74	0,70
Managing family/carers' psychosocial burden	94	1,00	4,00	2,66	0,83
Informing patients and planning their advanced care	92	1,00	4,00	2,54	0,83
Informing family/carers and educating them on participating in patient's care	94	1,00	4,00	2,55	0,94
Managing personal burden due to the challenges of caring for dementia patients during the last 6 months of their lives	94	1,00	4,00	2,74	0,73

(1=*not at all*, 2=*a little*, 3=*adequately*, 4=*a lot*)

**Supplementary Table 2.** Educational needs regarding the basic domains of palliative care for the elderly with dementia

	<b>N</b>	<b>Lower value</b>	<b>Higher value</b>	<b>Mean</b>	<b>SD</b>
Informing family/carers and educating them on participating in patient's care	88	2,00	4,00	3,27	0,69
Managing family/carers' psychosocial burden	86	1,00	4,00	3,19	0,78
Managing the terminal stage of dementia	88	1,00	4,00	3,18	0,78
Informing patients and planning their advanced care	86	1,00	4,00	3,14	0,70
Managing personal burden due to the challenges of caring for dementia patients during the last 6 months of their lives	88	1,00	4,00	3,09	0,76
Managing patients' psychosocial needs	84	1,00	4,00	3,05	0,72
Managing patients' physical symptoms	86	1,00	4,00	3,00	0,87

(1=not at all, 2=a little, 3=adequately, 4=a lot)

**Supplementary Table 3.** One-way ANOVA correlation between total PCQN score and participants' specialty

	<b>N</b>	<b>Total score (mean)</b>	<b>SD</b>	<b>95% Confidence Interval for Mean</b>		<b>p</b>
				<b>Lower Bound</b>	<b>Upper Bound</b>	
Psychiatry	12	10,33	1,97	9,08	11,58	0,001
Internal medicine	4	7,50	0,58	6,58	8,41	
Nursing	44	8,1	3,14	7,18	9,09	
Nurse assistant	36	6,55	2,71	5,63	7,47	
<b>Total</b>	96	7,79	3,01	7,18	8,40	

**Supplementary Table 4.** t-test correlation between total PCQN score and participants' sex

<b>Sex</b>	<b>N</b>	<b>Total score (mean)</b>	<b>SD</b>	<b>p</b>
Male	28	9,14	2,369	0,004
Female	68	7,23	3,09	

**Supplementary Table 5.** One-way ANOVA correlation between total PCQN score and participants' years of work experience

<b>Years of work experience</b>	<b>N</b>	<b>Total score (mean)</b>	<b>SD</b>	<b>95% Confidence Interval for Mean</b>		<b>p</b>
				<b>Lower Bound</b>	<b>Upper Bound</b>	
0-5	32	6,06	2,57	5,13	6,99	0,001
6-10	14	9,00	3,23	7,13	10,86	
11-15	6	9,00	2,36	6,51	11,48	
16-20	10	9,80	1,39	8,79	10,80	
21-25	20	7,80	3,83	6,00	9,59	
26+	14	8,57	1,34	7,79	9,34	
<b>Total</b>	96	7,79	3,01	7,18	8,40	

**Supplementary Table 6.** One-way ANOVA correlation between total PCQN score and number of terminal dementia patients cared for by participants

<i>Number of patients with terminal dementia</i>	N	Total score (mean)	SD	95% Confidence Interval for Mean		P
				Lower Bound	Upper Bound	
1-3	46	7,34	2,93	6,47	8,21	<0,001
4-7	12	6,83	2,79	5,06	8,60	
8-10	4	5,50	1,73	2,74	8,25	
10+	32	9,56	1,96	8,85	10,27	
<b>Total</b>	94	7,95	2,82	7,37	8,53	

**Supplementary Table 7.** Correlation between total PCQN score and participants' perceptions on their competencies in managing different aspects of palliative care for the elderly with dementia

		Managing patients' physical symptoms	Managing patients' psychosocial needs	Managing family/carers' psychosocial burden	Informing patients and planning their advanced care	Informing family/carers and educating them on participating in patient's care	Managing personal burden due to the challenges of caring for dementia patients during the last 6 months of their lives
Total PCQN score	Pearson Correlation	0,64**	0,38**	0,49**	0,39**	0,38**	0,32**
	p (2-tailed)	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001
	N	94	94	94	92	94	94
Managing patients' physical symptoms	Pearson Correlation	1	0,67**	0,68**	0,66**	0,60**	0,60**
	p (2-tailed)		<0,001	<0,001	<0,001	<0,001	<0,001
	N	94	94	94	92	94	94
Managing patients' psychosocial needs	Pearson Correlation	0,67**	1	0,69**	0,72**	0,60**	0,58**
	p (2-tailed)	<0,001		<0,001	<0,001	<0,001	<0,001
	N	94	94	94	92	94	94
Managing family/carers' psychosocial burden	Pearson Correlation	0,68**	0,69**	1	0,86**	0,73**	0,66**
	p (2-tailed)	<0,001	<0,001		<0,001	<0,001	<0,001
	N	94	94	94	92	94	94
Informing patients and planning their advanced care	Pearson Correlation	0,66**	0,72**	0,86**	1	0,85**	0,52**
	p (2-tailed)	<0,001	<0,001	<0,001		<0,001	<0,001
	N	92	92	92	92	92	92
Informing family/carers and educating them on participating in patient's care	Pearson Correlation	0,60**	0,60**	0,73**	0,85**	1	0,51**
	p (2-tailed)	<0,001	<0,001	<0,001	<0,001		<0,001
	N	94	94	94	92	94	94
Managing personal burden due to the challenges of caring for dementia patients during the last 6 months of their lives	Pearson Correlation	0,60**	0,58**	0,66**	0,52**	0,51**	1
	p (2-tailed)	<0,001	<0,001	<0,001	<0,001	<0,001	
	N	94	94	94	92	94	94

\*\* . Correlation is significant at the 0.01 level (2-tailed).

\* . Correlation is significant at the 0.05 level (2-tailed).

**Supplementary Table 8.** Correlation between total PCQN score and participants' educational needs in managing different aspects of palliative care for the elderly with dementia

		Total PCQN score	Managing patients' physical symptoms	Managing patients' psychosocial needs	Managing family/carers' psychosocial burden	Managing the terminal stage of dementia
Total PCQN score	Pearson	1	-0,33**	-0,45**	-0,30**	-0,25*
	Correlation					
	p (2-tailed)		<0,001	<0,001	<0,001	0,020
Managing patients' physical symptoms	N	96	86	84	86	88
	Pearson	-0,33**	1	0,53**	0,41**	0,34**
	Correlation					
Managing patients' psychosocial needs	p (2-tailed)	0,002		<0,001	0,00	<0,001
	N	86	86	84	86	86
	Pearson	-0,45**	0,53**	1	0,73**	0,67**
Managing patients' psychosocial needs	Correlation					
	p (2-tailed)	<0,001	<0,001		<0,001	<0,001
	N	84	84	84	84	84
Managing family/carers' psychosocial burden	Pearson	-0,30**	0,41**	0,79**	1	0,66
	Correlation					
	p (2-tailed)	0,004	<0,001	<0,001		<0,001
Managing the terminal stage of dementia	N	86	86	84	86	86
	Pearson	-0,25*	0,37**	0,66**	0,66**	1
	Correlation					
Managing the terminal stage of dementia	p (2-tailed)	0,017	<0,001	<0,001	<0,001	
	N	88	86	84	86	88

\*\* . Correlation is significant at the 0.01 level (2-tailed).

\* . Correlation is significant at the 0.05 level (2-tailed).

