Supplementary tables

Supplementary Table 1. Interventions linked to *knowledge deficit*

No.	Intervention	Action type	CCC code	Performance frequency	Performance rank	Importance average score
A-1	Provide education materials	Provide	K31.2.2.02	120	10	3.42
A-2	Provide individualized patient education	Teach	K31.2.3.02	32	8	3.38
A-3	Contact other physicians from other department for health education	Teach	K31.2.3.08	41	9	3.38
A-4	Execute problem-solving education model	Assess	K31.2.1.01	30	6	2.94
A-5	Provide health education: disease-related knowledge	Contact	G20.0.4.04	19	5	2.71
A-6	Assess patient feelings regarding illness	Assess	P45.0.1.06	29	6	3.00
A-7	Assess learning ability	Teach	K31.2.3.07	13	2	3.38
A-8	Teach self-management	Perform	K31.2.2.04	6	2	3.12
A-9	Teach access to health knowledge	Teach	K31.2.3.06	10	4	3.35

Supplementary Table 2. Interventions linked to *ADL alteration*

No.	Intervention	Action type	CCC Code	Performance		Importance
				Frequency	Rank	Score
B-1	Assist with bed activities	Assist	A01.0.2.02	120	10	3.42
B-2	Assist in turning on bed	Assist	A01.0.2.03	32	8	3.48
B-3	Guide daily self-care	Instruct	O43.1.3.03	41	9	3.35
B-4	Morning/Evening care	Care	Q48.0.2.01	30	6	3.27
B-5	Pressure injury prevention	Care	R51.0.2.08	19	5	3.50
B-6	Monitor activities	Supervise	A01.0.3.01	29	6	3.02
B-7	Manage ward environment safety	Manage	N42.1.4.02	13	2	3.33
B-8	Provide health education: home environment setting for patients lacking self-care ability	Instruct	M39.1.3.01	6	2	3.10
B-9	Perform rehabilitation	Perform	A05.2.2.08	10	4	2.84
B-10	ADL scale	Assess	O43.1.1.01	4	1	3.33

Supplementary Table 3. Interventions linked to *fall risk*

No.	Intervention	Action type	CCC code	Performance frequency	Performance rank	Importance average score
C-1	Provide health education on safe medication use	Instruct	H24.0.3.02	138	12	3.46
C-2	Manage ward environment	Manage	N42.1.4.01	160	13	3.48
C-3	Provide health education on fall prevention	Teach	N42.0.3.02	121	11	3.62
C-4	Teach self-care in daily life	Instruct	O43.1.3.03	34	6	3.27
C-5	Provide auxiliary equipment	Provide	A03.2.2.01	39	8	2.88
C-6	Assist with exercise	Assist	A05.2.2.07	27	5	3.10
C-7	Use fall warning signs	Manage	N42.3.4.01	47	9	3.42
C-8	Manage ward environment safety	Manage	N42.1.4.02	93	10	3.50
C-9	Assess clothing safety	Assess	N42.3.1.13	16	5	3.15
C-10	Assess body function	Assess	A01.0.1.07	36	7	3.37
C-11	Assess fall risk with Berg Balance Scale	Assess	N42.3.1.03	11	3	3.29
C-12	Assess fall history	Assess	N42.3.1.06	52	8	3.48
C-13	Assess vertigo symptoms	Assess	N42.3.1.11	12	4	3.50
C-14	Assess medications that increase the risk of fall	Assess	H24.0.1.05	3	1	3.65
C-15	Have someone accompany the patient when engaging in high-risk activities	Supervise	N42.3.3.01	6	2	3.46

Supplementary Table 4. Interventions linked to *bleeding risk*

No.	Intervention	Action type	CCC code	Performance frequency	Performance rank	Importance average score
D-1	Notify doctor of changes in patient condition	Notify	G20.0.4.12	86	7	3.65
D-2	Monitor vital signs	Assess	S70.0.1.01	56	6	3.77
D-3	Watch for signs of bleeding	Care	R54.0.2.01	40	5	3.42
D-4	Provide local compression hemostasis	Assess	S70.0.1.03	19	4	3.48
D-5	Assess factors associated with bleeding risk	Monitor	K33.0.1.01	14	2	3.83
D-6	Monitor coagulation lab results	Monitor	K32.1.1.09	14	2	3.42
D-7	Provide health education on bleeding-related knowledge	Teach	K31.2.3.22	8	1	3.27

Supplementary Table 5. Interventions linked to *nutrition deficit risk*

No.	Intervention	Action type	CCC code	Performance frequency	Performance rank	Importance average score
E-1	Monitor nutritional status	Monitor	J29.0.1.04	117	9	3.19
E-2	Contact the nutritionist	Contact	G20.0.4.07	90	8	2.67
E-3	Monitor weight	Perform	J67.0.1.02	33	5	3.40
E-4	Notify doctor of changes in patient condition	Perform	G20.0.4.12	34	5	3.56
E-5	Monitor signs of malnutrition	Monitor	J29.0.1.01	14	3	3.23
E-6	Assess diet	Notify	J29.0.1.08	5	1	3.39
E-7	Assess micronutrient intake	Assess	J29.0.1.07	6	1	2.73

Supplementary Table 6. Interventions linked to *BP alteration*

No.	Intervention	Action type	CCC code	Performance frequency	Performance rank	Importance average score
F-1	Monitor heart rhythm/rate changes	Monitor	K33.1.1.01	17	3	3.62
F-2	Assess past history: BP alteration	Instruct	H24.0.3.02	54	10	3.50
F-3	Monitor alteration in BP	Assess	C08.0.1.02	5	1	3.50
F-4	Provide health education on safe medication	Instruct	K33.1.3.03	26	7	3.35
F-5	Assess medication adherence	Assess	G18.4.1.01	34	8	3.47
F-6	Teach BP self-management	Notify	G20.0.4.18	27	7	3.59
F-7	Notify doctor of adverse drug reactions	Assess	K31.1.1.18	4	1	3.41
F-8	Provide health education on prevention of orthostatic hypotension	Assess	H24.0.1.04	16	3	3.50
F-9	Assess medication use that affect BP	Teach	K33.1.3.02	31	5	3.44
F-10	Assess symptoms of BP alteration	Assess	K33.1.1.02	19	5	3.41