

Table 2. Comparison of the Critical Care Nurses' Practice Observation Checklist

	Before Program				After Program				Follow - Up				Significance test 1	Significance test 2
	Done		Done		Done		Done		Done		Done			
	incorrectly	correctly	incorrectly	correctly	incorrectly	correctly	incorrectly	correctly	incorrectly	correctly	incorrectly	correctly		
	n	%	n	%	n	%	n	%	n	%	n	%		
Assessment of patients for ICU-AW in clinical work	51	63.7	29	36.3	15	18.8	65	81.3	12	15.0	68	85.0	X ² =33.424, 0.001**	X ² =39.823, 0.001**
Monitor the patient's physical activities	44	55.0	36	45.0	15	18.8	65	81.3	11	13.8	69	86.3	X ² =22.581, 0.001**	X ² =30.171, 0.001**
Monitor symptoms and changes in patient's conditions	42	52.5	38	47.5	14	17.5	66	82.5	13	16.3	67	83.8	X ² =21.538, 0.001**	X ² =23.300, 0.001**
Monitor the critical patients for changes in muscle pain and stiffness	50	62.5	30	37.5	17	21.3	63	78.8	16	20.0	64	80.0	X ² =27.963, 0.001**	X ² =29.813, 0.001**
Observe to the patient's ICU-AW status in clinical work	57	71.3	23	28.7	19	23.8	61	76.3	15	18.8	65	81.3	X ² =36.190, 0.001**	X ² =44.545, 0.001**
Carefully document the patient's vital signs	16	20.0	64	80.0	9	11.3	71	88.8	8	10.0	72	90.0	X ² =2.323, P=0.127	X ² =3.137, P=0.077
Make timely evaluations of nursing interventions for patient's early mobilization	52	65.0	28	35.0	22	27.5	58	72.5	18	22.5	62	77.5	X ² =22.627, 0.001**	X ² =29.359, 0.001**
Communicate with the patients about limb muscles strength	41	51.2	39	48.8	17	21.3	63	78.8	12	15.0	68	85.0	X ² =15.578,P<0.001**	X ² =23.728, 0.001**
Encourage the patients to early mobilization	42	52.5	38	47.5	19	23.8	61	76.3	14	17.5	66	82.5	X ² =14.016, <0.001**	X ² =21.538, 0.001**
Perform early functional exercises to prevent the ICU-AW	56	70.0	24	30.0	25	31.3	55	68.8	18	22.5	62	77.5	X ² =24.029,P<0.001**	X ² =36.304, 0.001**
Provide early functional exercises for critically ill patient's	56	70.0	24	30.0	24	30.0	56	70.0	19	23.8	61	76.3	X ² =25.600, <0.001**	X ² =34.359, 0.001**
Instruct the patient to use mobility aids	45	56.3	35	43.8	18	22.5	62	77.5	14	17.5	66	82.5	X ² =19.087, <0.001**	X ² =25.803, 0.001**
Perform active range-of-motion exercises	62	77.5	18	22.5	23	28.7	57	71.3	18	22.5	62	77.5	X ² =38.174, <0.001**	X ² =48.400, 0.001**
Perform passive range-of-motion exercises	62	77.5	18	22.5	22	27.5	58	72.5	17	21.3	63	78.8	X ² =40.100, <0.001**	X ² =50.633, 0.001**
Report the patient's muscles strength to the doctor in the department timely	38	47.5	42	52.5	15	18.8	65	81.3	13	16.3	67	83.8	X ² =14.925, <0.001**	X ² =17.989, <0.001**
Administering intravenous fluids and medications as per doctor's order every shift	16	20.0	64	80.0	7	8.8	73	91.3	7	8.8	73	91.3	X ² =4.113, P=0.043*	X ² =4.113, P=0.043*
Communicate with the physiotherapist to evaluate and train patient's	32	40.0	48	60.0	17	21.3	63	78.8	11	13.8	69	86.3	X ² =6.619, P=0.010*	X ² =14.025, 0.001**
Instruct family members to help patients with appropriate activities to relieve symptoms such as physical weakness	36	45.0	44	55.0	16	20.0	64	80.0	11	13.8	69	86.3	X ² =11.396, <0.001**	X ² =18.829, <0.001**
Use early mobilization of ICU patients to prevent or mitigate ICU-AW in patients	51	63.7	29	36.3	25	31.3	55	68.8	18	22.5	62	77.5	X ² =16.942, <0.001**	X ² =27.750,P<0.001**
Use MRC-score Muscle Strength Scale to evaluate the six major muscle groups of the body	65	81.3	15	18.8	26	32.5	54	67.5	20	25.0	60	75.0	X ² =38.758, <0.001**	X ² =50.824,P<0.001**
Obtain admission weight	37	46.3	43	53.8	18	22.5	62	77.5	12	15.0	68	85.0	X ² =10.002, 0.002*	X ² =18.386, 0.001**
Monitor the patient's diet	34	42.5	46	57.5	17	21.3	63	78.8	15	18.8	65	81.3	X ² =8.318, P=0.004*	X ² =10.620,P<0.001**
Monitor the patient's fluid intake and output to detect emerging problems such as fluid and electrolyte imbalances	34	42.5	46	57.5	12	15.0	68	85.0	13	16.3	67	83.8	X ² =14.767, <0.001**	X ² =13.286, <0.001**
Significance test 1: Before Program / After Program (chi – square / fisher's exact test), Significance test 2: Before Program / Follow – up (chi – square / fisher's exact test),														

