

Evaluation of Nursing Care in Patients with Brain Tumor in 3b Ward Srinagarind Hospital

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Background

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- 3B Ward, surgical ward, has patients who undergo operation about 1000-1200 cases/year.
- Patients with brain tumor are about 100-150 cases/year.
- Brain tumor: 1 of top 5 disease in 3B Ward.
 - Meningioma
 - Glioma
 - Pituitary tumor
 - Astrozygoma

Background

- **Signs & symptoms**

- Headache
- Immobilization
- Cognitive
- Blurred vision

- **Complications:** neurological deficit brain swelling, hemorrhage infection

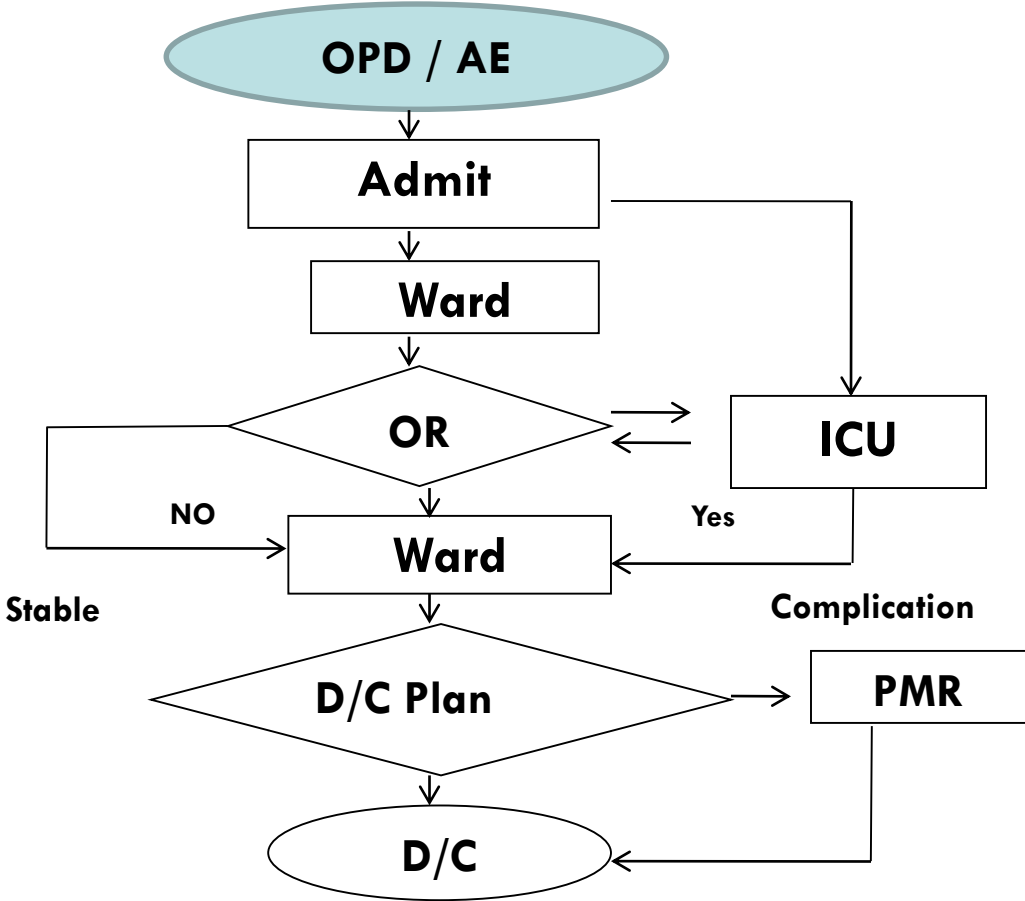
- **Post-operation:** Paralysis, immobilization, loss of speech, swallow dysfunction, and cognitive impairment.

Background

- In hospital, nurses are the health care professional to take care of patients and give patients information
- Nurse should have knowledge and information competency with good practice to take care of patients.
- **The clinical pathway of patients with brain tumor was created and established in 2015, but we never evaluate the outcomes.**

Therefore, the review of clinical pathway for patients with brain tumor should be revise.

Process of clinical pathway of patients care in hospital starts when patients arrive in ward



Clinical Pathway; Day 0 admit

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Assessment	V/S, N/S, O ₂ Sat, Hx PE: visual, verbal, ADL, pain, anxiety, nutrition
Test	CBC, Electrolytes, BUN, Cr, glucose, G/M , CT Scan, MRI, CXR, EKG
Medication Treatment Activity	Anti-hypertension, Analgesic, Sedative drug
Consultation	PMR, Neuroradiology
Education D/C plan	Pain management, mental support, consent form/disease/treatment plan
Nursing	Orientation , pre-post op care, hygiene care

Clinical Pathway; Day 0-1 post operation

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Assessment	V/S, N/S, O ₂ Sat, EKG PE:ADL, pain, anxiety, Bed sore , pneumonia , UTI
Test	LAB, Neuroimaging (indication)
Medication Treatment Activity	Airway, vent, O ₂ , IVF, Medication
Education/ D/C plan	Hygiene care, breathing exercise, passive exercise
Nursing	Post op care, mental support, wound care Early ambulation

Clinical Pathway; Day 2 - d/c

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Assessment	V/S, N/S, O ₂ Sat, Hx, ADL, pain, anxiety, nutrition
Test	Electrolytes, BUN, Cr,
Medication Treatment Activity	IVF, Med Home med
Consultation	PMR, Neuroradiology
Education/ D/C planning	Hygiene care, ADL, Rehab, nutrition, feeding, medication, complication, appointment date
Nursing	Home care, observe complication, continuing care

Objective

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- To evaluate of nursing care in patients with brain tumor in 3B ward



Methods

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- Data was collected from medical records of 45 patients with brain tumor according to the inclusion criteria;
 - Patients who admitted in 3B ward between January 2017 to December 2017.
 - Age > 18 years
 - First operation
 - No concomitant disease

Methods

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Retrospective descriptive study:

- Instruments used were consisted of 3 parts:
 - 1) Demographic data
 - 2) Nursing practice
 - 3) Evaluation of information giving and patients satisfaction
- The data was analyzed by percentages.

Results

Demographic data

- Patients age 18-70 years old (average 44.86 years)
- 59.38% of male and 40.62% of female
- 75.55% of patients are married
- Patients had high incidence of meningioma (35.93%)
- Length of stay 9.75 days



Results

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Information giving

Data	Yes		No	
	Number	%	Number	%
1.Disease & treatment	45	100	0	0
2.Pre-operative care				
-Hygiene care	45	100	0	0
-NPO	45	100	0	0
-Laboratory & X-ray	36	80	9	20
-Mental support	45	100	0	0

Results

Information giving

Data	Yes		No	
	Number	%	Number	%
3. Post-operation				
Pain	45	100	0	0
Wound care	43	95.56	2	4.44
Infection control	40	88.88	5	11.11
Daily activity	41	91.11	4	8.88
4. Discharge plan				
Appointment	44	97.78	1	2.22
Refer	31	68.89	14	31.11
Medication	44	97.78	1	2.22

Results

Nursing practice

Data	Yes		No	
	Number	%	Number	%
1. Exercise & rehabilitation	34	75.55	11	24.44
2. Hygiene care	44	97.78	1	2.22
3. Wound care & drain	44	97.78	1	2.22
4. Pain	44	97.78	1	2.22
5. Infection control	39	86.67	6	13.33
6. Medication	44	97.78	1	2.22

Results

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Patient satisfaction = 96%

- Patients was satisfied with nursing staffs for their practice, knowledge, and equality.
- Nurses provided care with consistency concern, politeness and friendly.

Conclusion

- **Nursing care needed coordination of the interdisciplinary team especially PMR and nursing management, knowledge and skill**
- **Nurse administrators should be concerned about these variables when start activities planning for patients to improve the quality of care.**

Limitation

- **Research types: Retrospective study**
 - ◆ The record form was not design for specific study
 - ◆ Absence of some data
- **Lack of evaluation of interdisciplinary team record**

Further consideration

Nursing practice

- ◆ Early ambulation
- ◆ Infection control
- ◆ Continuing of care



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THANK YOU....