



ROLE OF NURSES IN ONCOLOGIC EMERGENCIES

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RECONNECTING for Our Future in Cancer Care



CONTENT OUTLINE



- Overview of oncologic emergencies
- Definition of oncologic emergencies
- Categories and classification of oncologic emergencies
- Role of nurses in oncologic emergencies

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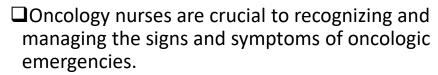


Overview of oncologic emergencies (OE)





- The most distressing challenges along the treatment journey is the possibility of experiencing an oncologic emergency
- Potentially life threatening, appearing quickly & without warning & heralding progressive disease.
- Present significant challenges to healthcare providers and caregivers.







Understanding Oncologic emergencies

- First step to mitigating potentially deadly complications in practice.
- Conditions vary greatly between patients, disease types, and stages of treatment
- Developing the knowledge base to recognize the signs and symptoms is a key to prevent serious problems.





Definition





Any acute possible morbid or life-threatening events in patients with cancer either because of the malignancy or because of their treatment. (Jafari, Tayirani, Salimi et al., 2020)

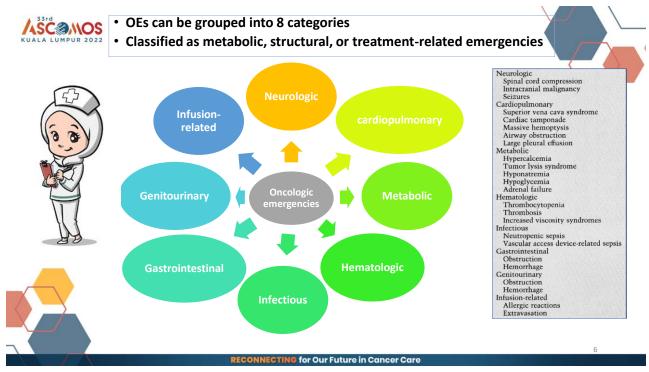


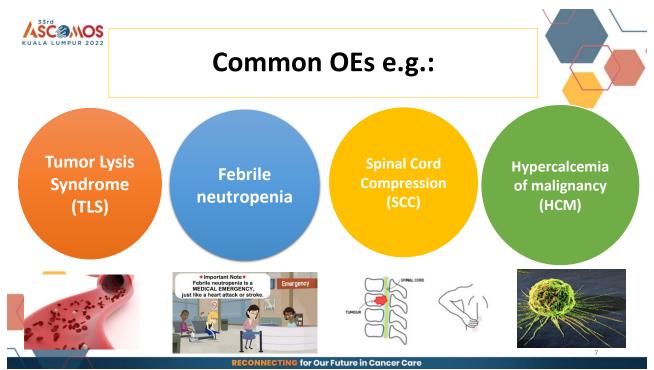
These events may occur at any time during malignancy, from symptoms present to end-stage disease. (Jafari, Tavirani, Salimi et al., 2020)

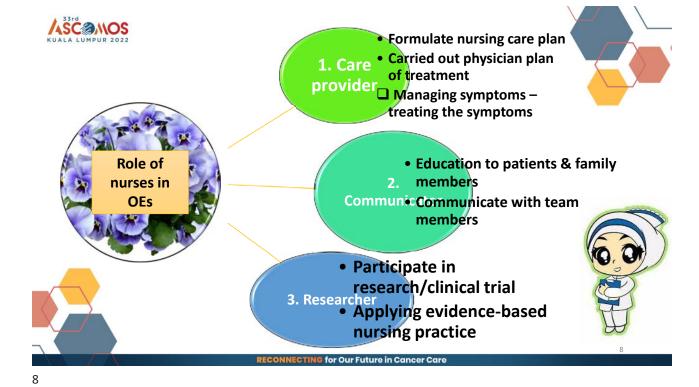


The signs and symptoms of OEs are often common problems experienced by individuals with cancer such as nausea, pain, headache, and fever.

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1. Care provider Formulate nursing care plan



- Recognize and address signs & symptoms:
 - ☐ Perform comprehensive, head-to-toe assessment.
 - ☐ Recognizing & addressing the early signs & symptoms & psychological issues
 - □ Slight changes to an assessment can be the presenting sign of a significant emergency.
 - \square e.g.: back ache, difficulty in urination, unable to move LL.
 - ☐ Assessment of data collection:
 - ☐ During admission
 - □On-going assessment
 - **□**Emergency
 - ☐ During follow-up







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Care provider Formulate nursing care plan

- Carried out physician plan of treatment & provide care for symptom management:
- Examples:
 - ☐ Assist in serial blood testing monitoring electrolyte imbalances
 - ☐Administer intravenous fluids therapy -TLS
 - \square ICU monitoring to ensure kidney function; temporary hemodialysis.
 - □Strict intake/output monitoring:
 - ☐ treat not only decreases in urine output but also the threat of fluid overload.
 - □Administration of medications:
 - □Allopurinol & rasburicase used to reduce serum uric acid levels.
 - ☐Special diet: renal diet (low in potassium and phosphorus)



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2. Communicator Education to patient & family members

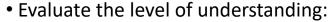


- Educate patients and caregivers:
 - ☐on preventive measures,
 - ☐ identifying early signs and symptoms,
 - ☐ administering therapies and assessing their efficacy and side effects,
 - ☐ managing symptoms
- "Clear and honest explanation to patients and caregivers is important. Make sure
 they understand the possible signs and symptoms of pertinent oncologic
 emergencies, as well as the consequences of late recognition," (Martin, ONS 2018)
- Provide written information disease, treatment, and potential complications.
- Most importantly, provide a written list of signs and symptoms along with when and where to call.
- Develop a Symptom diary & self care booklet or Mobile Apps.





2. Communicator Education to patient & family members



- ☐ Ask for feedback about the lesson learned.
- ☐When they're with you in the clinic or in the hospital, have them practice what they will say if they need to call the clinic, hospital, or answering service.
- Help for patients to recover from one of these complications
 and maintain a reasonable quality of life.
- Develop a nurse navigator program (Reed & Rua, 2020).

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2. Communicator Communicate with team members

- Document care & communicate well between all team members
 - □ Ensure the whole MDT receive a consistent message all team members should be on the same page.
- Clear goals
 - ✓ Long term care plan
 - ✓ Preferences
 - ✓ Values
 - Necessary clinical information



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3. Researcher

- Participate in research/clinical trial:
 - ☐ Assist/collaborate in collect data from the patients
 - □Interviewing patients and family members to get a true information about their needs/problems before, during & after treatment
 - ☐ Perform own research to improve nursing practice esp. preventive measures
- Applying evidence-based nursing practice
 - ☐ integrated evidence into practice and helped to implement innovative models to improve patient care esp.: symptom management



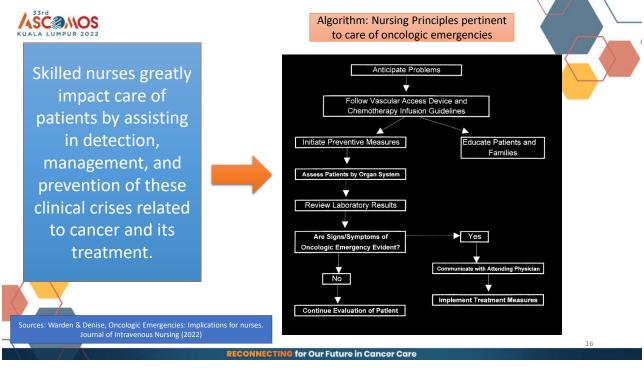
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Conclusion

- Nurses play an extremely important role in the diagnosis and treatment of OEs.
- Fundamental skills required include nursing assessment:
 - $oldsymbol{\square}$ Vital signs & organ systems
 - ☐ Management of intravenous lines
 - ☐ Awareness of clinically significant abnormal laboratory results with prompt notification of physicians
 - ☐ Recognition of allergic reactions & extravasation
- Early recognition of OEs leads to better outcomes. Prevention is the ideal goal.
- Education of family members regarding important symptoms is major nursing responsibility







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