Concept Map Worksheet

DESCRIBE DISEASE PROCESS AFFECTING PATIENT (INCLUDE PATHOPHYSIOLOGY OF DISEASE PROCESS)

Sepsis is a life-threatening medical emergency. It can be described as the body's response to an infection (CDC, 2022). The infections that can lead to sepsis are usually bacterial infections that trigger a chain reaction through the body (CDC, 2022). As a result of a localized inflammatory response becoming systemic, capillary permeability increases and hypotension occurs. Fluid and immune mediators are released, causing blood flow to organs and tissues to be compromised. Thus, the immunologic overactivity causes circulatory dysregulation (HealthCom, 2023). These infections commonly occur in the lungs, urinary tract, or gastrointestinal tract (CDC, 2022). Some risk factors for sepsis are elderly people, weakened immune systems, and pre-existing chronic conditions (CDC, 2022). Symptoms of sepsis include tachycardia, fever, confusion, shortness of breath, etc. (CDC, 2022).

ANTICIPATED NURSING INTERVENTIONS

- Monitor vital signs.
- Obtain bloodwork / blood cultures.
- Obtain urine sample.
- Ensure IV access.
- Administer fluids (ie. Normal saline) as prescribed.
- Administer antibiotic as prescribed.
- Administer Ibuprophen or Tylenol.
- Administer oxygen if needed.
- Measure ins and outs.
- Assess lung sounds.
- ECG.
- Chest x-ray.
- Urinary ultrasound.

References

- CDC. 2022. What is sepsis? https://www.cdc.gov/sepsis/what-issepsis.html#:~:text=Sepsis%20is%20the%20body%27s%20extreme,%2C%20skin%2C %20or%20gastrointestinal%20tract.
- HealthCom. 2023. *Helping patients survive sepsis*. <u>https://www.myamericannurse.com/helping-patients-survive-</u>sepsis/#:~:text=Pathophysiology,flow%20to%20organs%20and%20tissues.
- Sepsis Alliance. 2023. Testing for sepsis. <u>https://www.sepsis.org/sepsis-basics/testing-for-sepsis/#:~:text=Blood%20culture%3A%20A%20blood%20culture,results%20of%20a%20blood%20culture.</u>

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