

PRINTED TEST

NAME _____ 2021 DATE _____

Smith Seminars

Multiple Organ Dysfunction Syndrome

1. _____ Sepsis is a systemic response to _____.
A) Allergies
B) Blood clots
C) Infection
D) None of the above

2. _____ Inflammatory mediators release becomes a self-stimulating process (an autocrine), and release of other inflammatory mediators, including:
A) Interleukin-1 (IL-1)
B) Platelet activating factor, IL-2, IL-6, IL-8, IL-10, INF
C) Nitric oxide
D) All of the above

3. _____ Nitric oxide plays a central role in the _____ of septic shock.
A) Vasodilatation
B) Vasoconstriction
C) Thermoregulation
D) None of the above

4. _____ Neutrophil entrapment within the pulmonary microcirculation initiates and amplifies the injury to _____.
A) Cardiac ventricles
B) Alveolar capillary membranes
C) Collagen
D) All of the above

5. _____ Acute renal failure often accompanies sepsis due to acute _____.
A) Tubular necrosis
B) Renal vasodilatation
C) Absorption of cytokines
D) None of the above

6. _____ The microcirculatory injury, which is compounded by the inability of the erythrocytes to navigate the septic microcirculation are caused by _____.
A) Reactive oxygen sepsis
B) Lytic enzymes
C) Vasoactive substances (nitric oxide, endothelial growth factors)
D) All of the above

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7. _____ Patients who have developed septic shock require right heart catheterization with a pulmonary artery (Swan-Ganz) catheter in order to _____.
- A) Provide an accurate assessment of the volume status of a patient.
 - B) Obtain cardiac output measurement.
 - C) Measure mixed venous oxygenation to determining the status of tissue oxygenation.
 - D) All of the above
8. _____ In mild criteria for organ dysfunction, the pulmonary criteria is
- A) ARDS requiring PEEP >10 cm H₂ O and FiO₂ >0.5
 - B) Hypoxia/hypercarbia requiring assisted ventilation for 3-5 days
 - C) Intolerance of gastric feeding for more than 5 days
 - D) None of the above
9. _____ The main causes of patients with impaired host defense mechanisms include:
- A) Chemotherapeutic drugs and malignancy
 - B) Severe trauma, burns, and invasive catheters
 - C) Diabetes mellitus, renal or hepatic failure, old age, and ventilatory support
 - D) All of the above
10. _____ Clinically occult infiltrates have been detected by routine use of chest radiography in _____.
- A) Adults who are febrile without localizing symptoms or signs.
 - B) Patients who are febrile and neutropenic without pulmonary symptoms.
 - C) A & B
 - D) None of the above

Evaluation Form

Course Sponsor: Smith Seminars (CRCE Sponsor)

Title of Activity: Multiple Organ Dysfunction Syndrome (MODS)

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Learner's achievement of each objective. Rate each on a scale of 1=low 5=high. (Circle One)

Objective 1

Become familiar with the organs that can be affected by multiple organ dysfunction syndrome.

Know the mechanisms of cell injury and resulting organ dysfunction in sepsis leading to MODS.

Have a working knowledge of the staging factors and diagnostic modalities in sepsis.

Know what treatments are available to patients with sepsis and MODS.

1 2 3 4 5

Purpose/Goal of this activity

Attendee will be aware of the current information and will be able to meet the required continuing education.

Relationship of objectives to overall Purpose/Goal of activity.

1 2 3 4 5

If conflict of interest, off-label use, commercial support, or in-kind support were evident in the education component of this program, were you notified? (Circle One)

N/A — not applicable for any of the above

Yes

No

Comments:

Content was presented without bias of any commercial product or drug. (Circle One)

Yes

No

Comments:

Will the information you gained from this program change your practice? (Circle One)

Yes

No

Comments:

Additional comments or suggestions

Submission Instructions

Print the test, answer the questions, complete the evaluation, and fill out personal information.

Submission Method #1 – Go to www.smithseminars.com complete online test and evaluation

Submission Method #2 – Fax to us at 972-759-9791

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