

**CE Test: Test ID 4000-476: The Influence of Social and Psychological Factors on Cognition in Liver Transplantation**

**Learning Objectives:**

1. Recognize clinical and non-clinical factors that may contribute to cognitive impairment after liver transplantation.
2. Describe the potential impact of cognitive impairment on graft function and health-related quality of life.
3. Explain the role of social conditions, including social support and socioeconomic status, in cognitive health after transplantation.

1. **Which clinical factors have been previously linked to post-transplant cognitive impairment?**
  - a. Hepatic encephalopathy
  - b. Neurovascular comorbidities
  - c. Immunosuppressant treatment
  - d. All of the above
2. **Depression and anxiety are uncommon among liver transplant recipients.**
  - a. True
  - b. False
3. **Which of the following non-clinical factors has been associated with cognitive performance in the general population?**
  - a. Strong social support
  - b. Sensory capabilities
  - c. Occupational position
  - d. None of the above
4. **Cognitive impairment affects more than a fifth (>20%) of liver transplant recipients.**
  - a. True
  - b. False
5. **Cognitive impairment in liver transplant recipients has been linked to which of the following?**
  - a. Improved graft function
  - b. Reduced health-related quality life
  - c. Increased physical strength
  - d. Decreased need for follow-up care
6. **Adverse social conditions are known to alleviate psychological distress among transplant recipients.**
  - a. True
  - b. False
7. **Data from this study indicates that participants:**
  - a. Had strong perceived social support
  - b. Were satisfied with their social roles
  - c. Experienced low social isolation
  - d. All of the above
8. **The Repeatable Battery for the Assessment of Neuropsychological Status (RBANS) assesses global cognition with 12 items in 5 domains.**
  - a. True
  - b. False
9. **One explanation given for the lack of association between social conditions and cognition was:**
  - a. Participants had no social support
  - b. All participants were unemployed
  - c. Participants had generally favorable social conditions
  - d. Participants had severe neurological disease
10. **Recipients with cognitive impairment before transplant tend to have higher cognitive scores after transplantation.**
  - a. True
  - b. False

Test answers: Mark only one box for your answer to each question. You may photocopy this form.

- |                             |                                |                             |                                |                             |                                |                             |                                |                             |                                |
|-----------------------------|--------------------------------|-----------------------------|--------------------------------|-----------------------------|--------------------------------|-----------------------------|--------------------------------|-----------------------------|--------------------------------|
| <b>1.</b>                   | <b>2.</b>                      | <b>3.</b>                   | <b>4.</b>                      | <b>5.</b>                   | <b>6.</b>                      | <b>7.</b>                   | <b>8.</b>                      | <b>9.</b>                   | <b>10.</b>                     |
| <input type="checkbox"/> a. | <input type="checkbox"/> True  | <input type="checkbox"/> a. | <input type="checkbox"/> True  | <input type="checkbox"/> a. | <input type="checkbox"/> True  | <input type="checkbox"/> a. | <input type="checkbox"/> True  | <input type="checkbox"/> a. | <input type="checkbox"/> True  |
| <input type="checkbox"/> b. | <input type="checkbox"/> False | <input type="checkbox"/> b. | <input type="checkbox"/> False | <input type="checkbox"/> b. | <input type="checkbox"/> False | <input type="checkbox"/> b. | <input type="checkbox"/> False | <input type="checkbox"/> b. | <input type="checkbox"/> False |
| <input type="checkbox"/> c. |                                | <input type="checkbox"/> c. |                                | <input type="checkbox"/> c. |                                | <input type="checkbox"/> c. |                                | <input type="checkbox"/> c. |                                |
| <input type="checkbox"/> d. |                                | <input type="checkbox"/> d. |                                | <input type="checkbox"/> d. |                                | <input type="checkbox"/> d. |                                | <input type="checkbox"/> d. |                                |

Test ID: 4000-476 Contact hours: 1.0 ABTC CEPTC Fee: NATCO Members, \$0; Nonmembers, \$35 Passing score; 7 correct (70%)

Email your answer sheet to:  
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**The Organization for**  
**Transplant Professionals**  
**P.O. Box 711233**  
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Program evaluation

	Yes	No
Objective 1 was met	<input type="checkbox"/>	<input type="checkbox"/>
Objective 2 was met	<input type="checkbox"/>	<input type="checkbox"/>
Objective 3 was met	<input type="checkbox"/>	<input type="checkbox"/>
Content was relevant to my practice	<input type="checkbox"/>	<input type="checkbox"/>
My expectations were met	<input type="checkbox"/>	<input type="checkbox"/>
The level of difficulty of this test was:		
<input type="checkbox"/> easy <input type="checkbox"/> medium <input type="checkbox"/> difficult		
To complete this program, it took me _____ hours/minutes		

Name \_\_\_\_\_  
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