

**Northwest Law & Mental Health Conference
Continuing Education Test Form**

Octavio Choi, MD, PHD

Session Speakers #9

Psychopathy: Neuroscience and Forensic Implications

Summary

I plan to review neuroscience research that increasingly establishes psychopathy as a biological condition explained by defective neural circuits that mediate empathy. I will talk about how neuroscience evidence is being increasingly used in criminal court proceedings to argue for mitigation, and the limitations and potential of such evidence. Finally, I will discuss moral and ethical dilemmas raised when criminal behaviors are ascribed to biological causes.

Learning Objectives

- To learn about the neural basis for empathy, and how defects in the empathy system may explain predilection to violent behavior
- To learn about how courts currently use neuroscience evidence, and the potential and limits of such evidence.
- To learn about basic neuroimaging techniques such as MRI and functional MRI.



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Test Process

Download and print this test form.

Watch the 90 minute video, *Psychopathy: Neuroscience and Forensic Implications*, with Octavio Choi, MD, PHD.

Review Dr. Choi's session handout - at <https://tinyurl.com/choi-psychopathy>

Complete the ten question test on page three of this form.

You must score 70% or better to receive credit for this test. If your score is lower than 70%, we will send you a message via email and you may retake the test.

To receive **1.25 clinical social work** continuing education credit, accredited through the NASW of Oregon, return the completed form and finished test by postal mail with a check for \$20 to:

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TEST QUESTIONS

1. Evidence show antisocial personality disorder shows what trait?

- A Genetic
- B Learned behavior
- C Diminishes with age
- D More common with women

2. What illness did Andrea Yates have?

- A Schizophrenia
- B Postpartum psychosis
- C Personality disorder
- D Anxiety

3. What illness did Diane Downs have?

- A Schizophrenia
- B Postpartum psychosis
- C Personality disorder
- D Anxiety

4. What is the definition of a psychopath?

- A Screwed up
- B Lack of conscience
- C Severe and persistent mental illness
- D Delusions of grandeur

5. What happened to Phineas Gage?

- A Killed by a psychopath
- B Convicted of white collar crimes
- C Wrote important essay on psychopathy
- D Experienced traumatic brain injury

6. What are signs of psychopathy?

- A Impulsive
- B Aggressive
- C Irresponsible
- D All of the above

7. What part of the brain is the “imagination engine”?

- A Ventromedial prefrontal cortex
- B Medial dorsal nucleus
- C Hypothalamus
- D The aqueduct of Sylvius

8. When was the first clinical Computed Axial Tomography?

- A 1971
- B 1981
- C 1991
- D 2001

9. Under the law, are persons with psychopathy mentally ill?

- A It's under debate
- B In Oregon, it depends on the charge
- C Yes
- D No

10. When was the Federal insanity law recently changed?

- A 1984, after John Hinckley verdict
- B 2015, after James Holmes verdict
- C 1984, after Diane Downs verdict
- D 2013, with the release of the DSM-5

ANSWER FORM - circle your answer

- | | | | | |
|-----|---|---|---|---|
| 1. | A | B | C | D |
| 2. | A | B | C | D |
| 3. | A | B | C | D |
| 4. | A | B | C | D |
| 5. | A | B | C | D |
| 6. | A | B | C | D |
| 7. | A | B | C | D |
| 8. | A | B | C | D |
| 9. | A | B | C | D |
| 10. | A | B | C | D |