

## Brain Death Overview: Contextual and Practical Perspectives 2025 Neurology Boot Camp

### Define brain death/death by neurologic criteria (BD/DNC)

- Brain death is \_\_\_\_\_
- \_\_\_\_\_ cessation of all functions of the entire brain, including the brainstem

### Explain the historical context behind BD/DNC determination

- “Le coma dépassé” published in 1959. “After four years of reflection, we believe the time has come to add a new chapter in the traditional field of comas.”
- BD/DNC developed in the \_\_\_\_\_, and organ donation in the \_\_\_\_\_
- Closely intertwined to this day, but BD/DNC did evolve \_\_\_\_\_ of organ transplantation

### Summarize the considerations before embarking on BD/DNC determination

Patient must have suffered a \_\_\_\_\_ brain injury

Neurologic diagnosis must be established

This diagnosis must be capable of causing this \_\_\_\_\_

Neuroimaging evidence must demonstrate intracranial hypertension or severe cerebral edema and herniation, OR ICP measurements must equal or exceed MAP\*

Core temperature must be \_\_\_\_\_

MAP  $\geq$  \_\_\_\_ and SBP  $\geq$  \_\_\_\_ must be maintained

Metabolic and toxic derangements must be excluded, corrected, or eliminated

### Discuss the components of BD/DNC determination

1

NEED to verify \_\_\_\_\_

2

NEED to \_\_\_\_\_

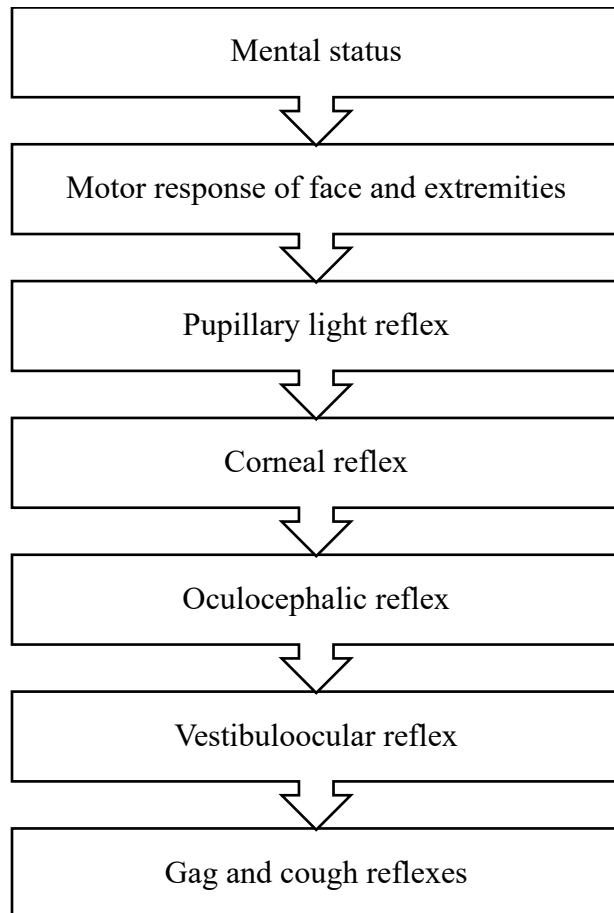
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NEED to perform the \_\_\_\_\_ (special circumstances may preclude it)

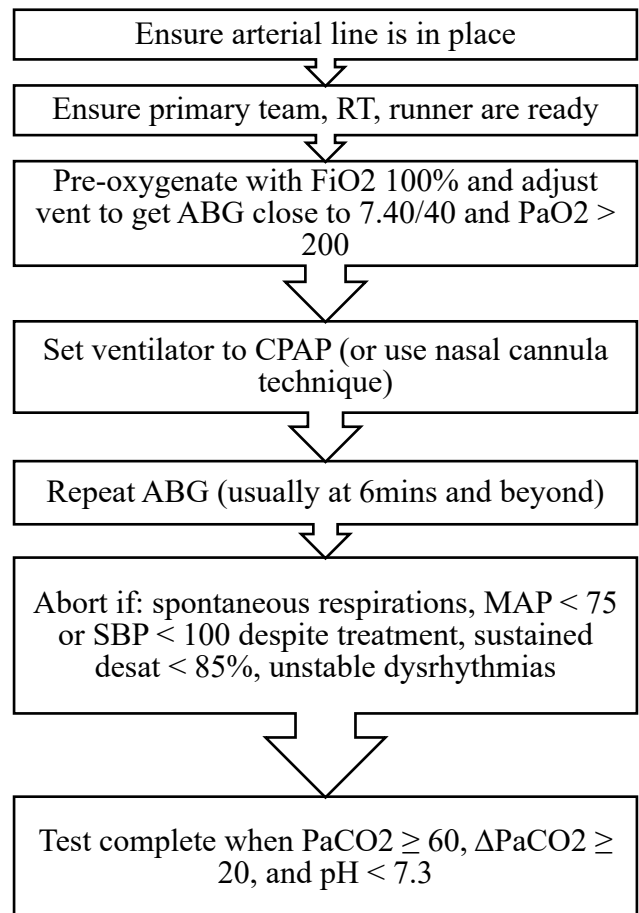
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CONSIDER \_\_\_\_\_ testing IF indicated

## Clinical Exam



## Apnea Test



## Ancillary Testing Modalities

