

Identifying Injured Brain Structures

From the limited information provided below, and by using the summary diagrams of the brain, make an educated guess as to the part of the brain that has been damaged in the following patients:

1. Anna is easy to get along with, but she seems to live only in the moment, with no ability to think ahead or make plans that she can then follow. _____
2. Lucia displays considerable paralysis on the right side of her body.

3. Although not on life support systems, Deena has been in a coma for years and shows no signs of waking up. _____
4. Whilst Philip and his friends were walking down the street one day, a car back fired as it was passing them. All of his friends jumped in startle and shock – they had all clearly had a fright. However, Philip didn't even bat an eyelid, the loud and unexpected bang hadn't induced any fear in him at all. _____
5. Since a very serious motor vehicle accident, Juan has been on life support systems to stay alive. _____
6. Ben shows extremely confused thinking and disordered attention of the sort that characterizes schizophrenia. _____
7. Luke is able to comprehend what others say when they speak to him, but he cannot express himself in words or sentences. _____
8. Irene has a condition called Achromatopsia, her view of the world is like watching a black and white television. _____
9. Kim cannot understand others when they speak to her and speaks gibberish herself when she tries to talk. _____
10. Henry suffers with a Scotoma, his specific Scotoma is characterized by blindness in a particular area of his left visual field. _____
11. Steven's work colleagues are getting quite concerned about him. Despite having a good 7 hours of sleep each night, some days he has been caught sleeping at his desk. Then a few weeks later he will be able to go for 48 straight without any sleep and not feel tired at all.

12. Whenever Jackie goes to make herself a cup of tea, she always ends up having to clean a puddle of water on the floor. She says she never sees the water rising in the cup – one second it's empty, the next it's overflowed. Jackie is thought to have a condition called Akinetopsia.

13. When Joe's daughter came to visit him last week, he couldn't even recognize who she was. Joe is thought to be suffering from Prosopagnosia.
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14. Stephanie can vividly remember the summer she spent in France with her grandparents. She can recall in detail spending the mornings helping her grandmother bake fresh baguettes and then riding her pink bike with a white basket around the garden of their Villa in the afternoons. However, when Stephanie is asked to repeat back a string of 8 numbers read to her, she is unable to recall them despite having practiced the same string of numbers over 25 times. She is thought to be suffering with anterograde amnesia.
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15. Leona has difficulty walking and performing other routine and daily tasks because she experiences jerks and spasms and a lack of coordination in her arms and legs. She also has trouble maintaining her balance. _____

16. John is unable to carry out organized sequences of actions to satisfy such basic needs as hunger. _____