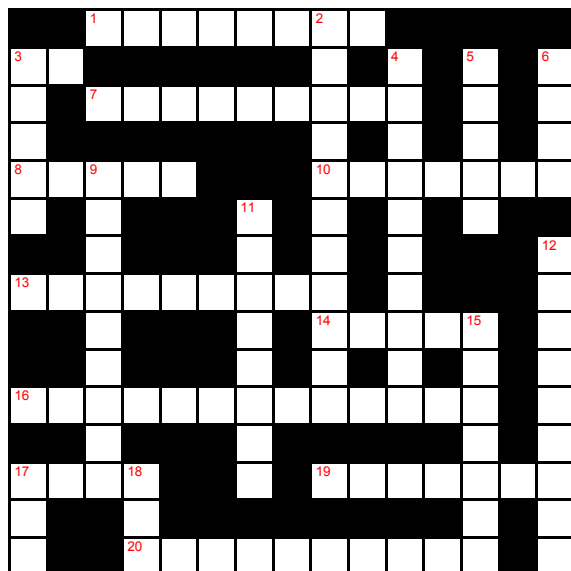


# Parkinsons\_diseases\_15x15\_2008-10-18

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## Across

- 1 A symptom in which muscles feel stiff and display resistance to movement. (8)
- 3 The form of parkinsonism originally described by James Parkinson in 1817. (2)
- 7 The number of times per minute that the eyelid automatically closes. A normal rate may be 10 to 30 per minute; for the parkinsonian it may be 0 to 5 per minute. (5,4)
- 8 A condition in which a muscle or group of muscles involuntarily contract. (5)
- 10 A chemical or drug that mimics neurotransmitter activity. (7)
- 13 Transplant cells taken from a different species. (9)
- 14 \_\_\_\_ Fluctuations occur in response to levodopa therapy in which the person's mobility changes suddenly and unpredictably. (2-3)
- 16 "DC" in "AADC", one of the two main enzymes responsible for the breakdown of levodopa in the bloodstream before it reaches the brain. (13)
- 17 One of the two main enzymes (the other being COMT) that is responsible for the breakdown of levodopa in the bloodstream before it reaches the brain. (4)
- 19 \_\_\_\_ Tremor: a tremor of a limb that increases when the limb is at rest. (7)
- 20 \_\_\_\_ Tremor: a tremor of a limb that increases when the limb is stretched. (10)

## Down

- 2 A surgical operation in which surgeons destroy small areas of the thalamus in order to alleviate one-sided tremor. (11)
- 3 Paralysis of a muscle or group of muscles. (5)
- 4 Increased discharge of the oily secretion sebum from the sebaceous glands of the skin. (10)
- 5 A poisonous substance. (5)
- 6 Otherwise known as catechol-O-methyltransferase, it is one of the two main enzymes (the other one being AADC) responsible for the breakdown of levodopa before it reaches the brain. (4)
- 9 "AA" in "AADC", is one of the two main enzymes responsible for the breakdown of levodopa in the bloodstream before it reaches the brain. (5,4)
- 11 A sustained increase of pressure within the eyeball which can injure the optic nerve and cause impaired vision or blindness. (8)
- 12 Difficulty in swallowing. (9)
- 15 A bent, curved posture. (7)
- 17 Activities of Daily Living that people with Parkinson's disease may have difficulty with, including: dressing, cooking, house cleaning, child rearing, walking. (3)
- 18 Consists of the brain and spinal cord. (3)