

# PNS-Pathology

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Archive

Lecture 2

Neuroscience II  
Pathology

Corrected by:  
Malaak Al Zaidaneeyen

# PNS-Pathology

## Lecture 2

ROUH ARCH

1- One is true regarding ALZHEIMER DISEASE ?

- A)down syndrome have the disease early than sporadic cases.
- B) Alzheimer's Disease (AD) is a neurodegenerative disease and is the most common cause of bradykinesia amyloid beta secretion.
- C)is toxic for microglial celis.
- D)acumulation of tau protein fundamental abnormality in histology nuriticplaques.

Answer:D

WATEEN ARCH

2- Which of the following disease associated with down syndeome? **Allzeimer disease.**

NABD + WAREED

3- One of the following diseases is associated with early onset in trisomy 21 individuals Down syndrome?

- a- Amyotrophic Lateral Sclerosis
- b- Parkinson Diseas
- c- Wernicke encephalopathy
- d- Huntington Disease
- e- Alzheimer Disease

Ans:e

4- The Wrong statement about alzheimer's disease :

- a. death due to infection
- b. altered mood and behavior.
- c. Macro: cortical atrophy.
- d. intracellular amyloid and extracellular tau
- e.in early life associated with Down syndrome

Answer: D

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5- A 69 year old female referred to the specialty memory clinic from neurology with a 2-year history memory loss, and executive function loss. Word finding and reading/writing skills were noted to have deteriorated in the preceding 6 months according to her husband. She also stopped driving her car about 6 months. Magnetic resonance imaging scan revealed mild generalized cortical atrophy. Which of the following mechanisms is most likely responsible for her disease:

- a- Aggregation of Huntington.
- b- Aggregation of Amyloid beta (AB) peptide.
- c- Autoimmune response against components of the myelin sheath.
- d- Loss of upper motor neurons in the cerebral cortex.
- e- Dopaminergic neurons degeneration.

Ans:b

6- The percentage of people expected to develop Alzheimer's disease from the age of 60 to 64 is:

- a. 47%
- b. 1%
- c. 10%
- d. 73%
- e. 20%

Ans:b

لو لم يكن من فائدة العلم والاشتغال به إلا أنه يقطع المشتغل به عن الوسواس المضنية، ومطارح الآمال التي لا تفيد غير الهم، وكفاية الأفكار المؤلمة للنفس، لكان ذلك أعظم داع إليه!  
- ابن حزم الأندلسي



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Lecture 3

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## Lecture 3

ROUH ARCH

1- AMYOTROPHIC LATERAL SCLEROSIS, one is true:

- A) degeneration of cerebral cortex and spinal cord 22 in chromosome.
- B) mutation in SOD1.
- C) mutant mHTT.
- D) hyperreflexia symptoms to lower motor lesion.
- E) death due to renal failure.

Answer: B

2- Which of the following is a mismatch among accumulated protein // disease? مكرر

- A. Tau // alzheimer disease
- B. Thiamine // wernicke encephalopathy
- C. Alpha-synuclein // parkinsons disease
- D. mHTT // huntington disease
- E. SOD1 // amyotrophic lateral sclerosis

Answer : B

هو مو تراكمي هو بسبب النقصان ليهيك غلط

3- Lewy bodies are form of accumulated proteins inside neural cells causing diseases. Lewy bodies are aggregates of: مكرر

- A. Amyloid
- B. Super oxide dismutase 1
- C. Tau protein
- D. Alpha-synuclein
- E. Glycosylation end products

Answer : D

4- The type of inheritance of huntington disease is: مكرر

- A. Autosomal dominant
- B. Autosomal recessive
- C. X-linked recessive
- D. X-related inheritance
- E. Autosomal dominant & X-linked recessive

Answer : A

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## Lecture 3

### 5-HUNTINGTON DISEASE:

- A. autosomal dominant
- B. autosomal recessive
- C. X-link dominant
- D. X-link recessive

Answer : A

### WATEEN ARCH

6- All of the following are associated with wernicke encephalopathy except? **Vit. B12**

7- All about korsakoff syndrome is true except: **Acute**

### NABD + WATEEN ARCH

8- One of the following is CORRECT about Thiamine Vitamin B1 deficiency?

- a- Thiamine deficiency result from gastric disorders such as chronic gastritis
- b- Untreated Korsakoff syndrome leads to the irreversible Wernicke encephalopathy.
- c- Wernicke encephalopathy is associated with memory impairment.
- d- Korsakoff syndrome is the acute phase of the encephalopathy.
- e- Korsakoff syndrome is reversible when treated with thiamine.

Ans:a

9- One of the following pairs between the neurodegenerative disease and the main location for the CNS injury is WRONGLY matched:

- a- Wernicke encephalopathy: mammillary bodies
- b- Huntington Disease: Caudate and putamen.
- c- Amyotrophic Lateral Sclerosis: Anterior horn cells.
- d- Parkinson Disease: Striatum.
- e- Alzheimer Disease: Frontal and temporal lobes.

Ans:d

10- One of the following pairs between the disease and anatomic region primarily affected by the disease is **WRONGLY** matched?

- a. Huntington Disease //// Caudate nucleus.
- b. Alzheimer Disease //// Frontal and temporal lobes.
- c. Amyotrophic Lateral Sclerosis //// Betz cells.
- d. Chronic inflammatory demyelinating polyradiculopathy /// Peripheral nerves.
- e. Parkinson Disease //// Striatal neurons

**Ans:e**

11- Anticipation typically occurs with disorders that are caused by a trinucleotide repeat expansion. The number of repeats can change as the gene is passed from parent, which leads to more severe and early- onset signs and symptoms. Which of the following diseases is associated with this Phenomenon:

- a- Alzheimer Disease
- b- Parkinson Disease
- c- Wernicke encephalopathy
- d- Huntington Disease
- e- Amyotrophic Lateral Sclerosis

**Ans:d**

«أخشى إن لم نبادر عاجلاً بالصعود إلى جسر التَّعب؛ أن نصطدم يوماً بتصرُّم العمر دون تحقق شيءٍ من تلك الطَّموحات  
وما أقسى خيبة نهاية التَّفَقُّ» -