

## 62<sup>nd</sup> ANNUAL DIAGNOSTIC SLIDE SESSION 2021

### CASE 2021-4

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#### Clinical History:

A 67-year-old woman died with a clinical diagnosis of behavioral variant of frontotemporal dementia (bvFTD) after developing progressive cognitive and personality changes starting in her late 50s, as well as several seizure episodes (without a prior seizure history). She had a family history of several neurologic diseases, including Parkinson's disease with dementia, primary progressive aphasia, and corticobasal syndrome.

#### Autopsy findings:

On postmortem examination, the brain weighed 981 grams and external examination showed severe atrophy. On sectioning, the hippocampus and amygdala were atrophic. The substantia nigra and locus ceruleus were de-pigmented.

#### Material submitted:

2 H&E sections of the frontal lobe and hippocampus (5 images: 2 low power images of frontal lobe and hippocampus, and three high power of frontal cortex, CA1 and subiculum)

#### Points for discussion:

1. Diagnosis
2. Pathogenesis