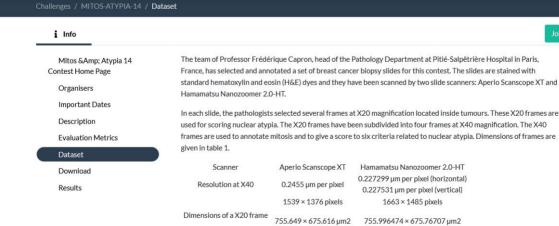


https://figshare.com/articles/dataset/Dataset from 1 628 eldery patients with cognitive disorders from La Piti -Salp tri re hospital Paris /12322790/1





Dimensions of a X40 frame $_{377.8245 \times 337.808 \, \mu m2}$ $_{377.998237 \times 337.883535 \, \mu m2}$ The number of frames is variable from slide to slide. In the training data set there are 284 frames at X20 magnification and 1,136 frames at X40 magnification. The frames are RGB bitmap images in TIFF format. For X20 magnification frames, we provide the nuclear atypia score as a number 1, 2 or 3. Score 1 denotes a low grade atypia, score 2 a moderate grade atypia, and score 3 a high grade atypia. This score has been given independently by two different senior pathologists. There are some frames for which the pathologists disagree and gave a different score.

1663 × 1485 pixels

For the X40 magnification frames, we provide the following data:

1539 × 1376 pixels

- List of mitosis given by two different pathologists. The pathologists have annotated mitosis as true mitosis, probably a mitosis, or not a mitosis. In case of disagreement between the pathologists, a third pathologist gave his opinion and the object has been marked as mitosis or not mitosis according to the majority.
- Six criteria given by three junior pathologists to evaluate the nuclear atypia. The criteria for nuclear atypia are provided as a number 1, 2 or 3. Only the consensus value among the three pathologists is given for each criterion. The six criteria are described in table 2. They are provided as a guideline to help contestants for designing their algorithm for nuclear atypia scoring. Contestants are free to use one or more of these criteria, or to design and use their own criteria for nuclear atypia scoring.