Algorithm for nerve cell identification

1. Nucleus
   - Darkly Stained
     - (Microglia OR Oligodendrocyte)
       - comma shaped, elongated, polylobular
       - may be surrounded focally by greenish inclusions

2. Cytoplasm
   - Lightly Stained
     - (Neuron OR Astrocyte OR Endothelial)
       - cytoplasm around the entire nucleus
       - no cytoplasm around nucleus

3. Distribution of nuclear heterochromatin
   - many small heterochromatin granules forming a grid
   - 2-4 rounded heterochromatin granules, some connected to the nuclear envelope
   - empty looking nucleus, distinct nucleolus
   - nucleolus partially or totally surrounded by clumps of heterochromatin
   - Other clumps not in contact with the nucleolus
   - rim of peripheral heterochromatin and several grains of heterochromatin attached to it

4. Euchromatin
   - homogeneous watery

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