

Materials List for:

Symmetric Bihemispheric Postmortem Brain Cutting to Study Healthy and Pathological Brain Conditions in Humans

Diego Iacono¹, Maria Geraci-Erck¹, Hui Peng¹, John Paul Bouffard²

¹Neuropathology Research, Biomedical Research Institute of New Jersey (BRInj)

²Department of Pathology, Atlantic Health System (AHS), Overlook Medical Center

Correspondence to: Diego Iacono at Diego.iacono@atlantichhealth.org

URL: <https://www.jove.com/video/54602>

DOI: [doi:10.3791/54602](https://doi.org/10.3791/54602)

Materials

Name	Company	Catalog Number	Comments
Copy of signed informed consent allowing autopsy and brain donation for research use.			
Detailed clinical history of the subject which should include a detailed description of any neurologic and psychiatric symptoms and signs.			
Medical or nonmedical video-recordings when available (especially useful in movement disorders field). Next-of-kin's consent required.			
Neuroimaging, neurophysiology, neuropsychiatric and assessment or clinicometric scales.			
Genetic and family history data. Genetic reports review, if neurogenetic diseases were diagnosed.			
Histology Container	ELECTRON MICROSCOPY SCIENCES	64233-24	
Histology Cassettes	VWR	18000-142 (orange)	
Histology Cassettes	VWR	18000-132 (navy)	
Knife Handles and Disposable Blades	ELECTRON MICROSCOPY SCIENCES	62560-04	
Long Blades	ELECTRON MICROSCOPY SCIENCES	62561-20	
Disposable Blade Knife Handles	ELECTRON MICROSCOPY SCIENCES	72040-08	
Scalpel Blades	ELECTRON MICROSCOPY SCIENCES	72049-22	
Accu-Punch 2 mm	ELECTRON MICROSCOPY SCIENCES	69038-02	
Polystyrene Containers – Sterile	ELECTRON MICROSCOPY SCIENCES	64240-12	
Dissecting Board	ELECTRON MICROSCOPY SCIENCES	63307-30	
Formalin solution, neutral buffered, 10%	Sigma-Aldrich	HT501128 SIGMA	
Hematoxylin Solution, Gill No. 2	Sigma-Aldrich	GHS280 SIGMA	

Eosin Y solution, aqueous	Sigma-Aldrich	HT1102128 SIGMA	
anti-beta-amyloid	Covance, Princeton, NJ	SIG-39220	1:500
anti-tau	Thermo Fisher Scientific	MN1020	1:500
anti-alpha-synuclein	Abcam	ab27766	1:500
anti-phospho-TDP43	Cosmo Bio Co.	TIP-PTD-P02	1:2000
Digital Camera	Any		
Head Impulse Sealing machine	Grainger	5ZZ35	