

**Title: Evidence of impaired macroautophagy in human degenerative cervical myelopathy**

**Running title: Autophagy in Degenerative Cervical Myelopathy**

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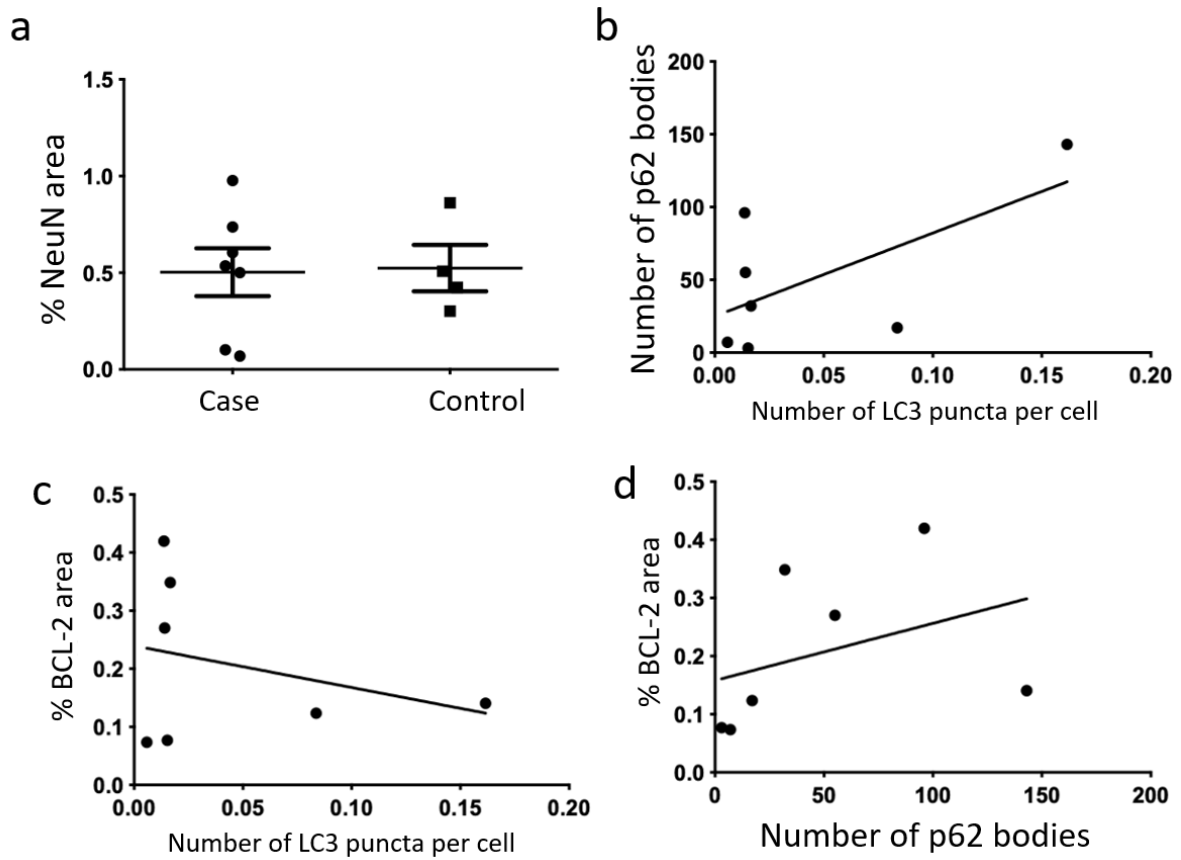
## Supplementary Figures

Case	Sex	Age	Cause of death
1	M	80	Extensive cerebral infarction
2	M	70	Disseminated visceral giant cell arteritis
3	M	63	Colon cancer
4	M	59	Sudden unexpected death
5	M	72	Chronic renal failure
6	F	72	Peritonitis
7	M	61	Pneumonia

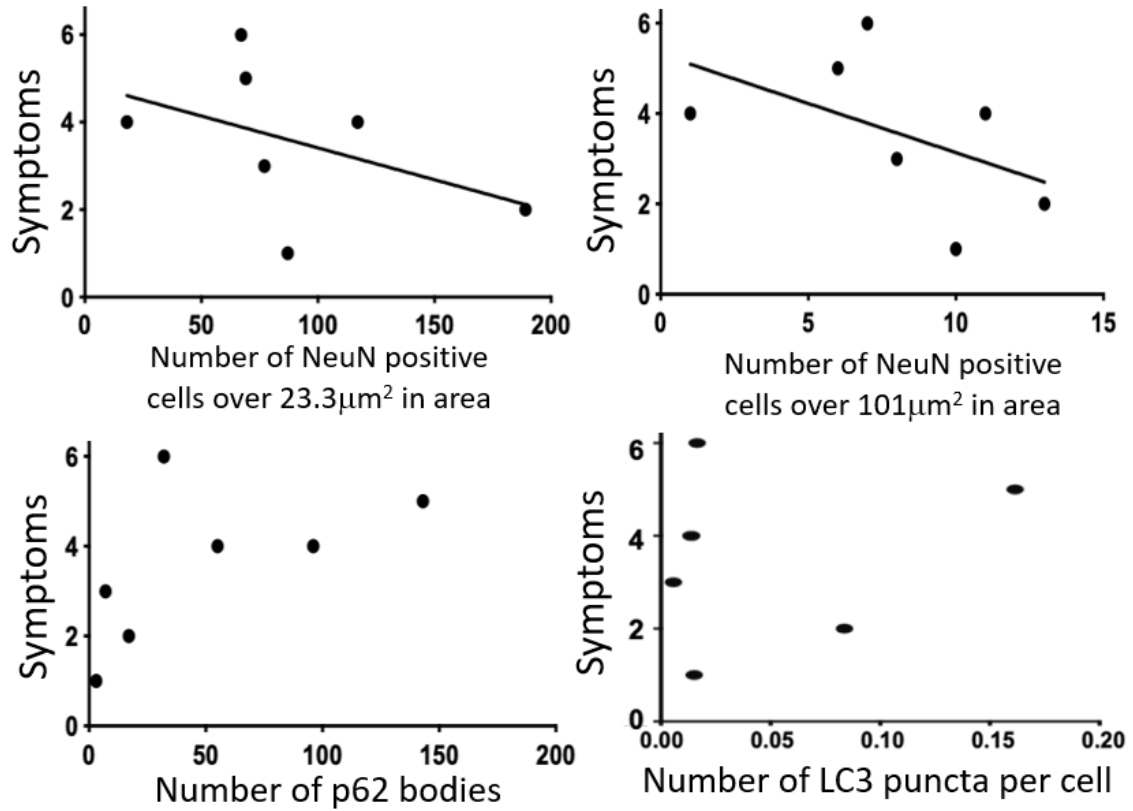
**Supplementary Table 1.** Causes of death for the 7 cases of DCM.

Control	Sex	Age	Cause of death
1	F	73	Thrombotic Thrombocytopenic purpura
2	F	83	Myasthenia Gravis
3	F	68	Facioscapulohumeral Muscular Atrophy, Aspiration Pneumonia
4	M	65	Malignant Lymphoma, Pneumonia
5	M	51	Acute abdomen

**Supplementary Table 2.** Causes of death for the 5 controls.



**Supplementary Figure 1.** A) % NeuN area of staining in cases compared to controls. b-d) XY Graphs comparing the relationship between different stains in cases. Correlation was assessed using non-linear regression and statistical significance determined using Pearson correlation. No correlations reached statistical significance.



**Supplementary Figure 2.** A-d) XY graphs of cases (n=7) comparing the number of symptom groups against the results of analyses of staining for NeuN, p62 and LC3 earlier in this study. Correlation was assessed using non-linear regression and statistical significance determined using Pearson correlation. No correlations reached statistical significance.