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## Protocol for "Development and characterization of a non-human primate model of disseminated synucleinopathy"

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**We use this collection and it's working**

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## Abstract

Here we took advantage of a retrogradely-spreading adeno-associated viral vector serotype 9 coding for the alpha-synuclein A53T mutated gene to induce a widespread synucleinopathy of cortical and subcortical territories innervating the putamen. Four weeks post-AAV deliveries animals were sacrificed and a comprehensive biodistribution study was conducted, comprising the quantification of neurons expressing alpha-synuclein, rostrocaudal distribution and their specific location.

This collection is made of (1) study design, (2) experimental animals, (3) viral vector production, (4) stereotaxic surgery for AAV deliveries, (5) necropsy, tissue processing and data analysis, (6) quantification of neurons expressing alpha-synuclein, (7) quantification of the nigrostriatal system

4 literature references included

3 figures included, as follows:

- Figure 1: Viral vector (synapsin)AAV9-SynA53T
- Figure 2: Ventriculography-assisted stereotaxic surgery
- Figure 3: Quantification of alpha-synuclein positive neurons

## Attachments



[Figure 1 \(plasmid ma...](#)

230KB



[Figure 2 \(Rx ventric...](#)

15.2MB



[Figure 3 \(method cel...](#)

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## Attachments

				
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## Files

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