Your project title here *

Your name   *Neurocure Clinical Research Center, Charité Universitätsmedizin Berlin*
Someone else's name   *Neurocure Clinical Research Center, Charité Universitätsmedizin Berlin*
Another person's name   *Neurocure Clinical Research Center, Charité Universitätsmedizin Berlin*

Your abstract here

Keywords: keywords here

This report was generated on 2018-12-20 00:11:47. R version: 3.5.1 on x86_64-pc-linux-gnu. For this report, CRAN packages as of 2018-12-01 were used. See "sessionInfo.md" file for detailed package information.

Introduction

Here you should write a brief review of the literature with citations. You should cover enough to introduce the topic and make it clear why you are asking the questions that you are.

Research Questions

1. Research Question 1
2. Research Question 2

Hypotheses

1. Hypothesis 1
2. Hypothesis 2.

Methods

Here you should outline the methods and give an overview of demographic information.

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*Latex template taken from (https://github.com/svmiller/svm-r-markdown-templates)

Patients and Controls

Patient and healthy control (HC) data were taken from an observational study, approved by the institutional review board (**INSERT ETHIC VOTE HERE**). HC matching patients for sex and age (+/-6 months) were identified using in-house python scripts using Python 3. Demograpic and clinical descriptive data are shown in Table 1.

All patients and HC provided informed consent.

Table 1. Demographic information

	HC	MS	p	test
n	87	110		
age (median [IQR])	14169.00 [9275.50, 19017.50]	14293.50 [11218.75, 18451.25]	0.916	nonnorm
sex = M (%)	51 (58.6)	53 (48.2)	0.189	

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MRI Acquisition

MRI acquisition was performed on a 3 Tesla MRI (Tim Trio, Siemens Medical Systems, Erlangen, Germany).

MRI Analysis

Outline MRI analyses including software used.

Statistical Analysis

Confirmatory Analyses

Outline confirmatory statistical analysis (reference pre-registration). Highlight essential software packages.

Exploratory Analyses

Outline any additional analysis that was not pre-registered. Highlight essential software packages.

Results

Demographics

No significant differences were found between MS and HC in sex (χ^2 = (χ^2 = 1.73 [1.00] p = 0.189) or age (t = -0.05, [168.06] p = 0.963, 95% confidence interval -1431.05, 1364.63).

Discussion

Acknowledgements

References