# SUPPLEMENTAL MATERIAL

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Supplementary: I) PRISMA flow diagram; II) Histogram of hierarchical partitioning of corticofugal fiber tracts at stroke onset (A) and seven days (B) post stroke (M1 - Blue, PMdv – Green, SMA – Red); III) The M1 fiber tracts (blue) from the SMATT template are mapped to infarct topography of ACA stroke. The 3D figure demonstrates the posterior location of the M1 fiber tracts.

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72 patients with ACA stroke assessed for eligibility

38 patients had MRI scans

47 patients with confirmed ACA stroke

25 excluded:

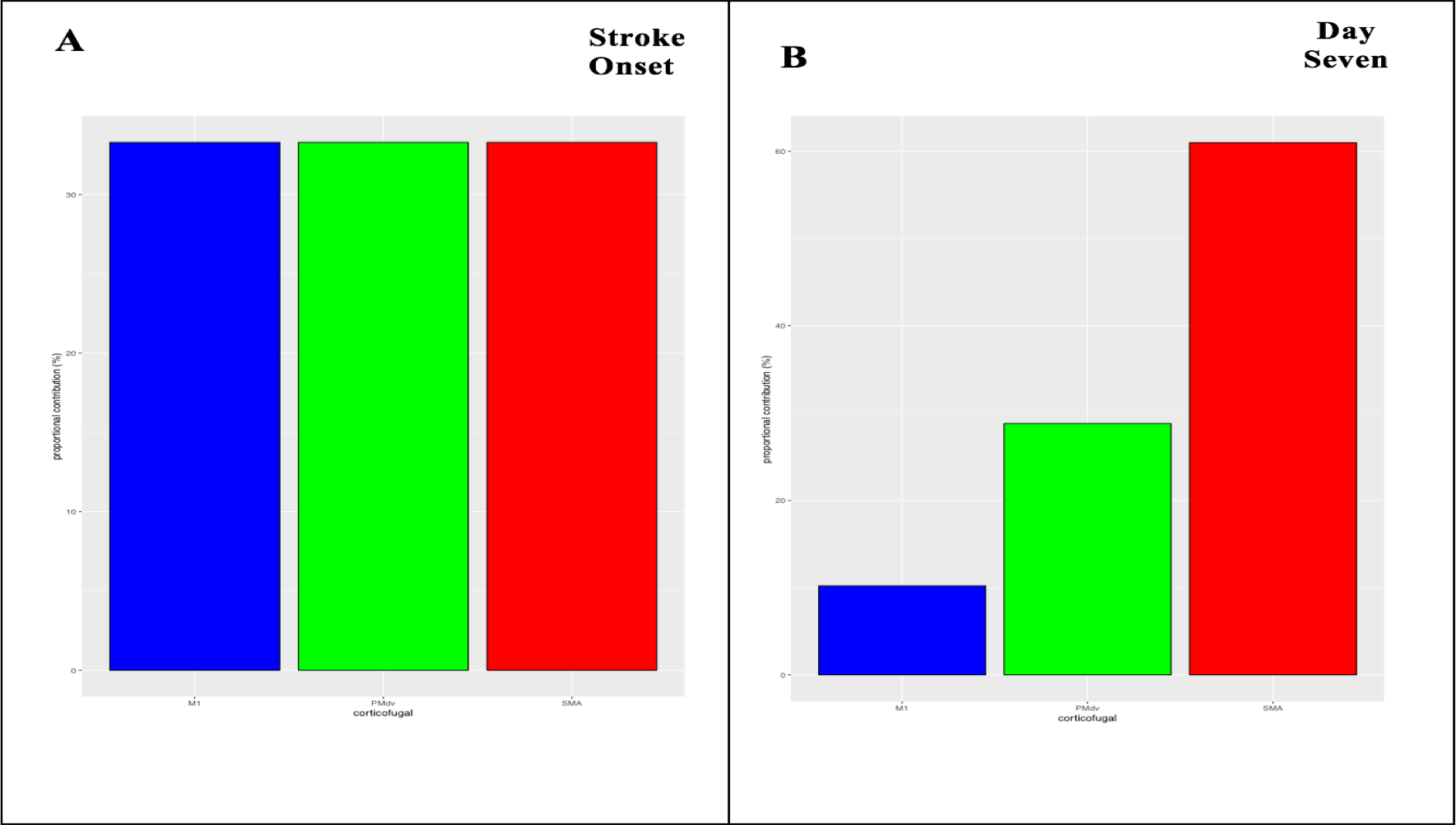
16 – concomitant infarcts in other arterial territories

9 – no visible vessel occlusion on CTA/MRA

32 patients had suitable CTP scans

# Supplementary Figure I – PRISMA flow diagram

**Supplementary Figure II – Hierarchical partitioning of corticofugal fibre tracts at stroke onset (A) and seven days (B) post stroke (M1 - Blue, PMdv – Green, SMA – Red).**



**M1**

**PMdv**

**SMA**

**M1**

**PMdv**

**SMA**

A picture containing indoor

Description automatically generated

**Supplementary Figure III) The M1 fiber tracts (blue) from the SMATT template are mapped to infarct topography of ACA stroke. The 3D figure demonstrates the posterior location of the M1 fiber tracts.**