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(I) Targeted multi-photon capillary photo thrombosis as a model of stalling

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Microvascular stalling, the process occurring when a capillary temporarily loses perfusion, has gained increasing interest
in recent years through its demonstrated presence in various neuropathologies. Despite efforts trying to study the stalling events, investigations are hampered by their elusiveness and scarcity. In an attempt to alleviate these
hurdles, we present here a novel methodology enabling transient occlusions of targeted microvascular segments through
multiphoton excitation of Rose Bengal, an established photothrombotic agent.

Keyword-1

Two photon microscopy

Keyword-2

Non linear imaging

Keyword-3

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