

## **Lesion stage dependent causes for impaired remyelination in MS**

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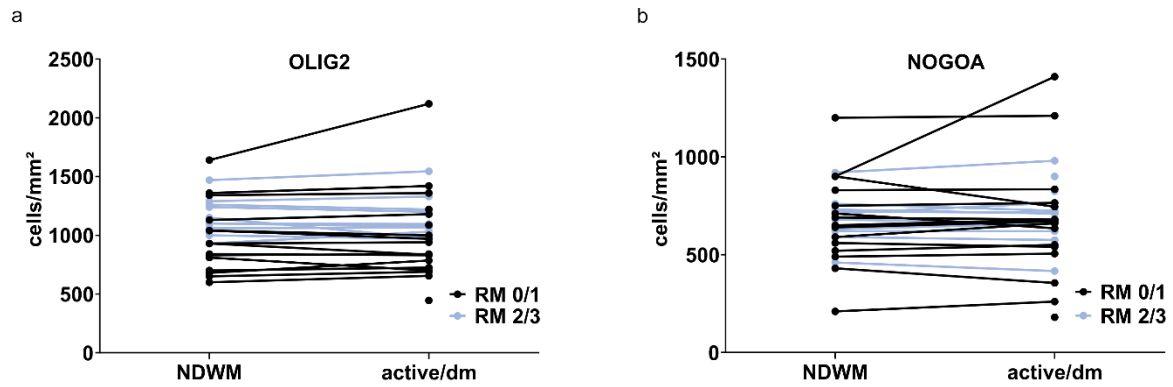
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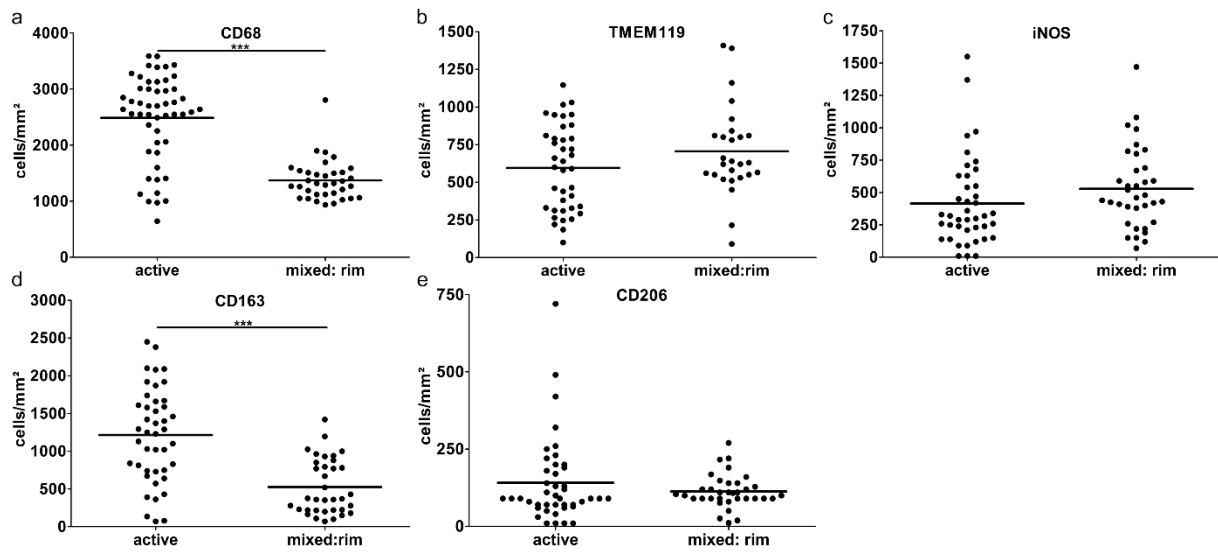
## SUPPLEMENTARY TABLES AND FIGURES

**Table S1** Source and dilution of antibodies

<b>Antibody</b>	<b>Origin</b>	<b>Dilution</b>	<b>Source</b>	<b>Application</b>
CD3	Mouse	1:25	M7254, Dako	IHC
CD20	Mouse	1:700	M0755, Dako	IHC
CD68	Mouse	1:200	M0814, Dako	IHC
CD163	Mouse	1:200	NCL-L-CD163, Leica/Novocastra	IHC
CD206	Rabbit	1:100	HPA004114, Sigma	IHC
Cleaved Caspase 3	Rabbit	1:300	MAB835, R&D	ICC
CNPase	Mouse	1:1000	836404, BioLegend	IHC
iNOS	Rabbit	1:1000	ABN26, Millipore	IHC
Ki-67	Rabbit	1:200	Ab16667, Abcam	IHC
Ki-67	Rabbit	1:250	Ab16667, Abcam	ICC
MBP	Rat	1:200	Ab7349, Abcam	IHC
MBP	Rat	1:50	Ab7349, Abcam	ICC
NOGOA	Rabbit	1:200	AB5664P, Millipore	IHC
O4	Mouse	1:1000	MAB1326, R&D	ICC
OLIG2	Mouse	1:200	387M-16, Medac	IHC
TMEM119	Rabbit	1:500	HPA051870, Sigma	IHC
TPPP/p25	Rabbit	1:500	Ab92305, Abcam	IHC



**Fig. S1** Preservation of oligodendrocytes in active/demyelinating lesions. **a and b** When comparing tissue samples containing NDWM and active/demyelinating lesions no significant differences in numbers of OLIG2<sup>+</sup> and NOGOA<sup>+</sup> oligodendrocytes were observed. Lesions with marked remyelination are indicated in blue, lesions with limited remyelination in black. OLIG2 = Oligodendrocyte Transcription Factor 2; NDWM = non-demyelinated white matter; active/dm = active/demyelinating lesions; RM 0/1 = remyelination score 0 or 1; RM 2/3 = remyelination score 2 or 3



**Fig. S2** Absolute numbers of myeloid cells in active and mixed lesions. **a to e** Quantification of absolute numbers of CD68<sup>+</sup>, TMEM119<sup>+</sup>, iNOS<sup>+</sup>, CD163<sup>+</sup> and CD206<sup>+</sup> myeloid cells in active lesion and in the rim of mixed lesions. CD68/163/206 = Cluster of Differentiation 68/163/206; TMEM119 = Transmembrane Protein 119; iNOS = inducible Nitric Oxide Synthase; active = active lesions; mixed: rim = rim of mixed active/inactive lesions