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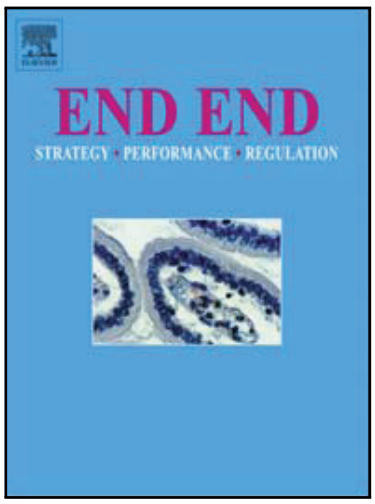

The M2a macrophage subset may be critically involved in the fibrogenesis of endometriosis in mice

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Highlights

- Lesional infiltration of alternatively activated or M2 macrophages (MΦs) increases progressively as lesions progress undisturbed, concomitant with progressive epithelial-mesenchymal transition, fibroblast-to-myofibroblast transdifferentiation, smooth muscle metaplasia and fibrosis.
- MΦ depletion after induction of endometriosis significantly reduced lesional infiltration of MΦs, lesional infiltration of M2MΦs, and lesional fibrotic content and lesion weight.
- Adoptive transfer of M2a, but not M1 or M2c MΦs systemically, following MΦ depletion, significantly increased the extent of fibrosis in lesions.

Short title: Macrophages drive fibrogenesis in endometriosis in mice

The M2a macrophage subset may be critically involved in the fibrogenesis of endometriosis in mice

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