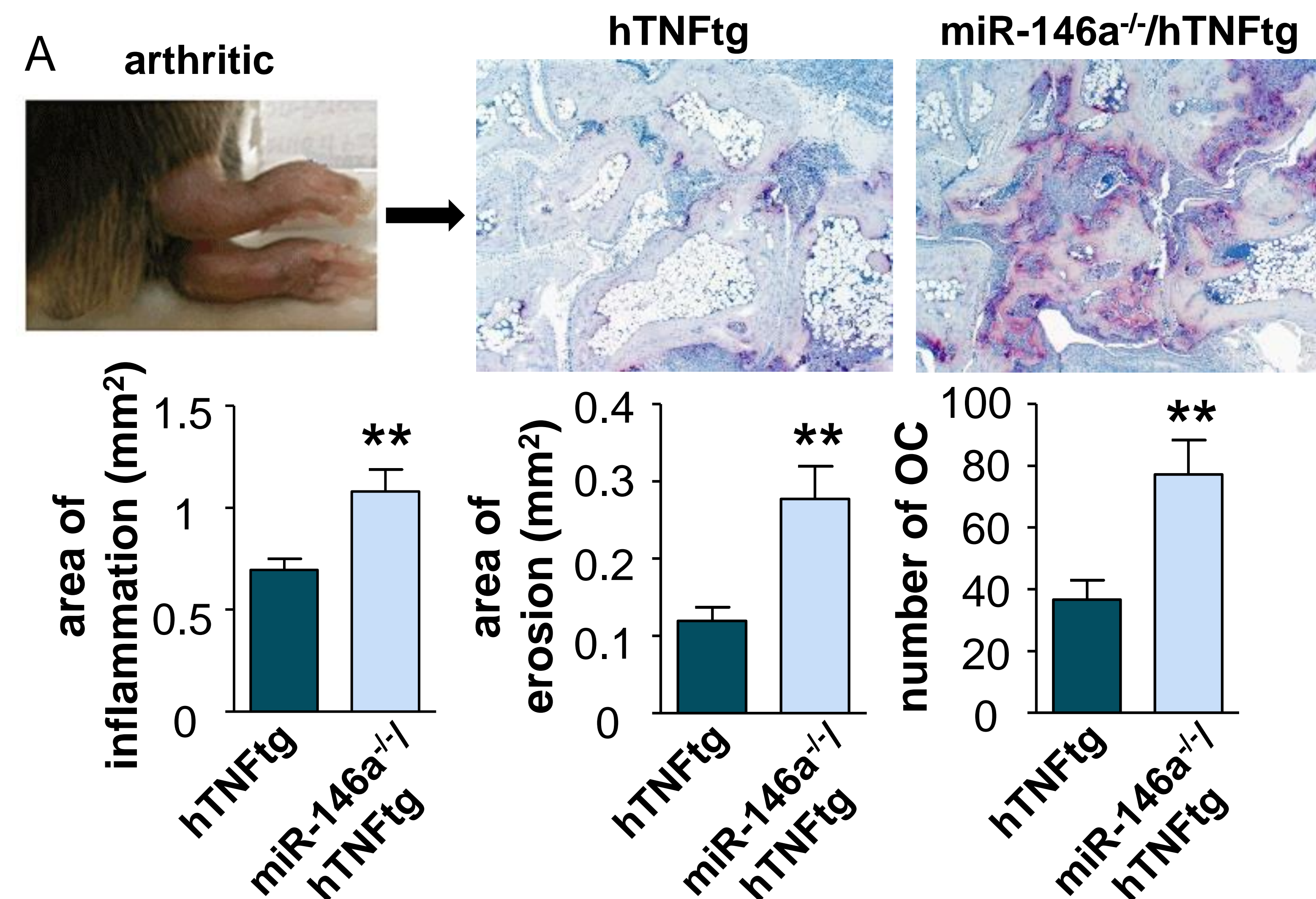
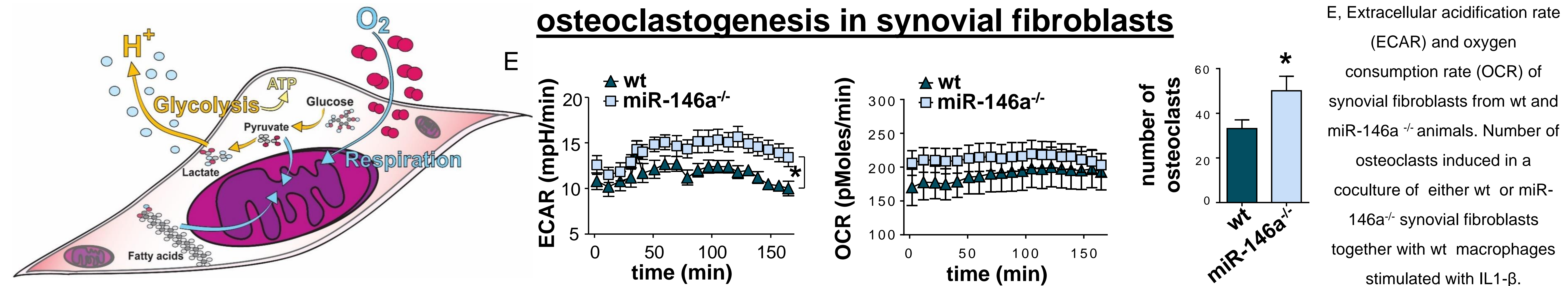


**Increased severity of arthritis in hTNFtg animals lacking miR-146a**



A, TRAP stained histological sections of the hind paws from hTNFtg and miR-146a<sup>-/-</sup>/hTNFtg mice. Histological assessment of inflammation, erosion and number of osteoclasts (OC) in the tarsal area of the hind paws from 10 weeks old hTNFtg and miR-146a<sup>-/-</sup>/hTNFtg mice.

**Deficiency of miR-146a leads to increased metabolic activity and capacity to induce osteoclastogenesis in synovial fibroblasts**



**Conclusion**

These data demonstrate an important mitigating role of miR-146a in inflammatory arthritis, most importantly in local bone destruction, by controlling mesenchymal expression of osteoclastogenic factors. This shows an important anti-inflammatory role of miR-146a, which might possibly be exploited for therapeutic purposes.