The TNF- antagonist etanercept reverses age-related decreases in colonic SERT expression and faecal output in mice

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THE TNF-α ANTAGONIST ETANERCEPT REVERSES AGE-RELATED DECREASES IN COLONIC SERT EXPRESSION AND FAECAL OUTPUT IN MICE.

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Supplementary Figure 1: Typical voltammogram obtained using differential pulse voltammetry. With the electrode held 0.1 mm from the tissue two clear oxidation peaks can be seen at + 0.6V and + 0.75V (grey solid line), which correspond to the peaks for 5-HT (black dotted line) and melatonin (grey dotted line), respectively.
Supplementary Figure 2: Effects of Etanercept on myenteric 5-HT or the 5-HIAA:5-HT ratio in both 3 or 24 month old distal colon. In 24-month colon, etanercept had no effect on myenteric 5-HT levels (A) but reduced myenteric 5-HIAA:5-HT ratio (B). Etanercept failed to alter myenteric levels of 5-HT (C) or the 5-HIAA:5-HT ratio (D) in 3-month distal colon. * p<0.05, n=7 for the 24 month groups and n=8 for the 3 month groups. Data are plotted as the mean ± SD.