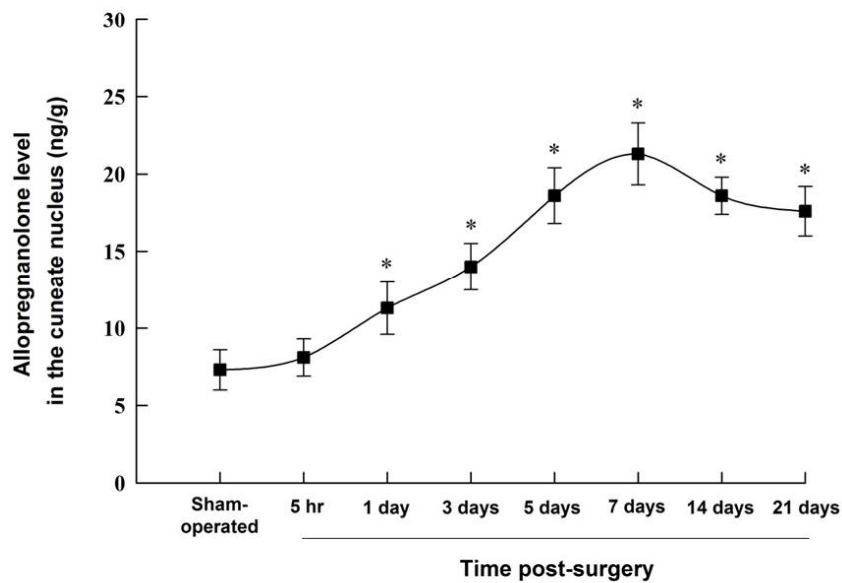


Supplemental Digital Content 3



Time-course measurement of endogenous allopregnanolone in the ipsilateral cuneate nucleus (CN) of chronic constriction injury (CCI) rats using high performance liquid chromatography-mass spectrometry (HPLC-MS) analysis. Endogenous allopregnanolone levels significantly increased in the ipsilateral CN as early as 1 day after CCI, reached a peak at day 7 and then began to decline. Error bars represent mean \pm SD. $n = 6$ rats per group. * $P < 0.05$ compared with sham-operated rats. Polynomial curve fitting was used to generate the smoothed fit line.