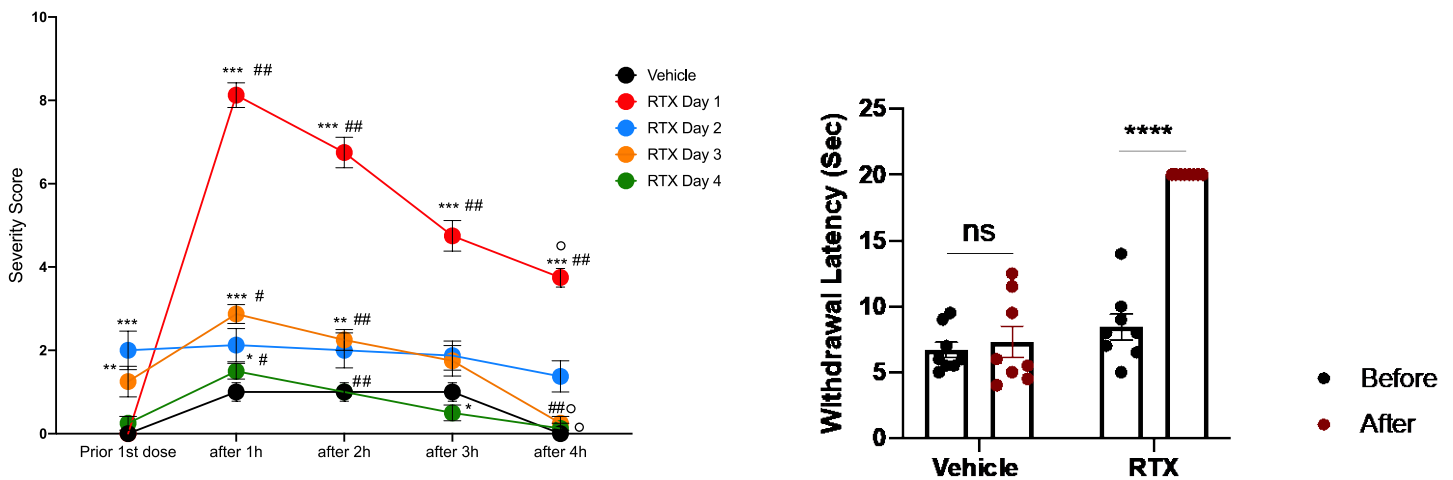


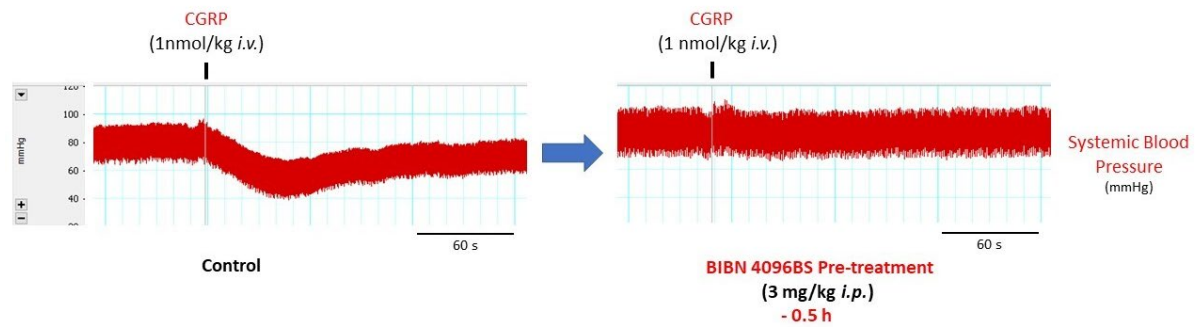
Supplementary figure S1



Supplementary Figure S1. The effect of the sensory nerve depleting agent RTX.

The figure shows (a) severity scoring by observation for 4 h after vehicle (10 % Tween-80, 10 % ethanol, 80 % saline) or RTX (0.3 mg/kg s.c.) on each of the 4 days. The parameters for the severity scoring include appearance, natural behaviour and provoked behaviour. All parameters were scored from zero to three with zero being a normal response and three being a severe response. Results are shown as mean \pm SEM (n=8). Two-way ANOVA with Bonferroni's post hoc test. $p^* < 0.05$, $p^{**} < 0.01$ and $p^{***} < 0.001$ are compared to vehicle's respective timepoint. $p^{\#} < 0.05$ and $p^{\#\#} < 0.01$ are compared to respective baseline. $o = p < 0.0001$ is compared to 'RTX after 1h' timepoint. (b) shows withdrawal latency (nociceptive behaviour) from a hot plate (55°C). A cut off time of 20 sec was used, for those that showed no response. Results are shown as mean \pm SEM (n=8). Two-way ANOVA followed by Bonferroni's post hoc test. $p^{****} < 0.0001$ is compared to before RTX treatment.

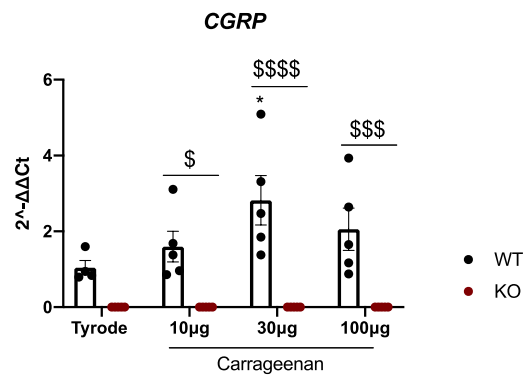
Supplementary figure S2



Supplementary Figure S2. BIBN4096 Blockade of CGRP hypotensive effect after carotid artery cannulation.

(a) Blood pressure (mmHg) measured via carotid artery cannulation in a single anaesthetized mouse following CGRP (1 nmol/kg i.v.). (b) Systemic blood pressure (mmHg) measured in the carotid artery following CGRP 1 nmol/kg i.v.) in a mouse pre-treated with BIBN4096 (3 mg/kg i.p.) 30 min beforehand.

Supplementary figure S3



Supplementary Figure S3. CGRP mRNA expression (DRGs) after carrageenan treatment (i.d.) over 4 h (WT vs α CGRP KO mice).

CGRP gene expression in DRGs samples collected 4 h after Tyrode and Carrageenan (10μg, 30μg and 100μg) were injected i.d. in WT and α CGRP KO mouse dorsal skin. Results are shown as mean \pm SEM (n= 4-5). Two-Way ANOVA followed by Bonferroni's post hoc test. $p^* < 0.05$ is compared to Tyrode. $p^s < 0.05$, $p^{sss} < 0.001$ and $p^{ssss} < 0.0001$ are compared to WT Carrageenan.