

Group	Interleukin- 6	TNF-a	PAI-1
WT + SAL	1.3 ± 0.6	1.2 ± 0.4	0.6±0.1
WT + LPS	8.5 ± 1.3*	1.0 ± 0.2	0.8±0.2
iNOS KO + SAL	2.4 ± 1.2	2.4 ± 0.6	0.9±0.3
iNOS KO + LPS	11.6 ± 2.7 †	1.7 ± 0.4	0.8±0.2

Table S1. Gene expression of pro-inflammatory markers in white adipose tissue of wild type and iNOS knockout mice treated with LPS and after the hyperinsulinemic-euglycemic clamp. * p<0.05 vs WT+SAL; † p<0.05 vs KO+SAL

SUPPLEMENTAL FIGURE LEGENDS

Supplement 1. Mean arterial blood pressure (MAP in mmHg, Panel A), glucose infusion rate (GIR in $\text{mg}\cdot\text{kg}^{-1}\cdot\text{min}^{-1}$, Panel B), and blood glucose (in mg/dL, Panel C) for saline-treated (SAL) or sodium nitroprusside (NO)-treated wild-type (WT; $\text{iNOS}^{+/+}$) mice during experimental induction (infusion) and restoration of hypotension in an extended (180 min) hyperinsulinemic-euglycemic clamp (Group 1A). Mice were treated with IV saline or NO infusion 90 min prior to clamp onset ($t=0$ min). Infusion was stopped at $t=90$ min (Reversal). MAP (Panel A) was summarized as mean during infusion period ($t=0-60$ min) and reversal period ($t=90-180$). Data are expressed as mean \pm SEM ($n=2$). $*p \leq 0.05$ vs. WT+SAL compared by t -test; NS = not significant ($p \geq 0.05$).

Supplement 2. Continuous mean arterial blood pressure (MAP) monitoring during infusion of sodium nitroprusside (NO)-infused $\text{iNOS}^{+/+}$ mice (Group 1B).

Supplement 3. Effects of LPS on skeletal muscle insulin signaling in wild-type (WT; $\text{iNOS}^{+/+}$) and iNOS knock-out ($\text{iNOS}^{-/-}$) mice after a 2 h hyperinsulinemic-euglycemic clamp (Group 2A). β -tubulin was used as a loading control. Western blotting was performed for gastrocnemius and vastus lateralis extract for total and tyrosine phosphorylation of IRS1 and Insulin receptor β (IR β).





