
Erratum

Ruan H, Miles PDG, Ladd CM, Ross K, Golub TR, Olefsky JM, Lodish HF: Profiling gene transcription in vivo reveals adipose tissue as an immediate target of tumor necrosis factor- α . *Diabetes* 51:3176–3188, 2002

In two subsections of the RESEARCH DESIGN AND METHODS section on page 3177 of the above-listed article, the Greek symbol “ μ ” in various units of measure was mistakenly changed to “m” during the composition process. The two subsections with the correct symbols and units of measure are shown below.

TNF- α infusion using the osmotic pump. Animals underwent surgery to implant an osmotic pump using standard sterile techniques. General anesthesia consisted of ketamine (50 mg/kg; Aveco, Fort Dodge, IA), xylazine (4.8 mg/kg; Lloyd, Shenandoah, IA), and acepromazine (1 mg/kg; Aveco) given intramuscularly. Through a small midline laparotomy, a mesenteric vein was isolated and catheterized (Micro-Renathane MRE-033, 0.033 OD and 0.014 ID; Braintree Scientific, Braintree, MA). An osmotic pump (Alzet; Alza, Palo Alto, CA) was connected to the catheter and placed inside the abdomen, and the abdominal wall and skin were sutured closed. The pumps delivered TNF- α or vehicle for 24 h (Alzet, Model 2001D; 34.6 $\mu\text{g}/\text{ml}$ or 0.27 $\mu\text{g}/\text{h}$) or for 4 days (Alzet, Model 2ML1; 28.6 $\mu\text{g}/\text{ml}$ or 0.27 $\mu\text{g}/\text{h}$). These infusion rates equated to $\sim 1 \mu\text{g} \cdot \text{kg}^{-1} \cdot \text{h}^{-1}$ for an average 275 g per rat. TNF- α (Genzyme, Cambridge, MA) was dissolved in PBS containing 0.1% BSA.

Insulin tolerance test. Whole-body insulin sensitivity was assessed using the insulin tolerance test 24 h or 4 days following pump implantation. The rats were fasted for 5 h, and a basal blood sample (1 ml) was collected by nicking the tail-tip. The blood was immediately analyzed for glucose (5 μl) while the rest was centrifuged and the resultant plasma frozen for later determination of FFA, triglyceride, total cholesterol, ACRP30, and C-reactive protein. Insulin was then injected intraperitoneally at $t = 0$ (0.6 units/kg, Novolin R; Novo Nordisk, Copenhagen), and subsequent blood samples (5 μl) were collected at 15, 30, 60, and 90 min for glucose determination.