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PLOS ONE

Correction

Correction: PHEX Mimetic (SPR4-Peptide) Corrects and Improves HYP and Wild Type Mice Energy-Metabolism

The *PLOS ONE* Staff

Figure 3 and Figure 4 are incorrect. The X-axis label should read "Fold Change" and not "% Change". The authors have provided corrected figures below.

Citation: The *PLOS ONE* Staff (2014) Correction: PHEX Mimetic (SPR4-Peptide) Corrects and Improves HYP and Wild Type Mice Energy-Metabolism. PLOS ONE 9(6): e101192. doi:10.1371/journal.pone.0101192

Published June 18, 2014

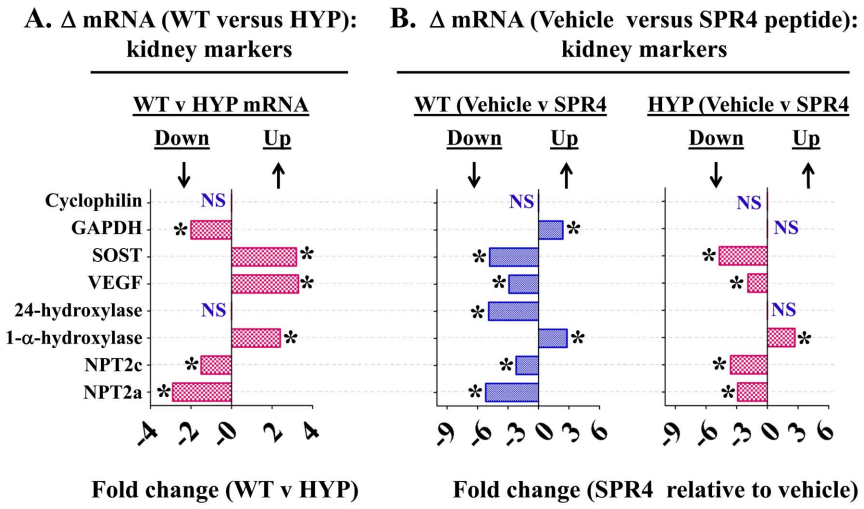

Figure 3. Whole kidney gene expression (mRNA) comparisons as measured by quantitative RT/PCR (qRT-PCR) for wild type (WT) and HYP mice infused with vehicle or SPR4 peptide for 28 days. Column headings represent; WT = wild type mice, HYP = X-linked hypophosphatemic rickets mice, SPR4 = infused SPR4-peptide and Vehicle = Saline infused. For gene analysis mRNA was prepared from whole kidneys snap frozen in LN2 and homogenized. For qRT-PCR gene analysis fold differences in expression calculated by the Pfaffl method [163] were statistically analyzed for significance using the One Sample t-test and the Wilcoxon Signed rank-test with theoretical means set to 1. Results are significant (* = $p<0.05$) unless indicated by NS (see also **Table 3** for detailed statistics). ND = Not done, NS = Not Significant ***Index*: Cyclophilin** = cyclophilin; **GAPDH** = Glyceraldehyde 3-phosphate dehydrogenase; **SOST** = Sclerostin; **VEGF** = Vascular Endothelial Growth factor; **24-Hydroxylase** = 1,25-hydroxyvitamin D_3 24-hydroxylase (CYP24A1); **1-á-Hydroxylase** = 25-hydroxyvitamin D_3 1-alpha-hydroxylase (CYP27B1); **NPT2c** = Sodium-dependent phosphate co-transporter (Slc34a3); **NPT2a** = Sodium-dependent phosphate co-transporter (Slc34a1); **NS** = not significant; * = $P<0.05$. Histogram bars to the left of zero on the axis indicate down regulation and to the right up regulation.
doi:10.1371/journal.pone.0097326.g003

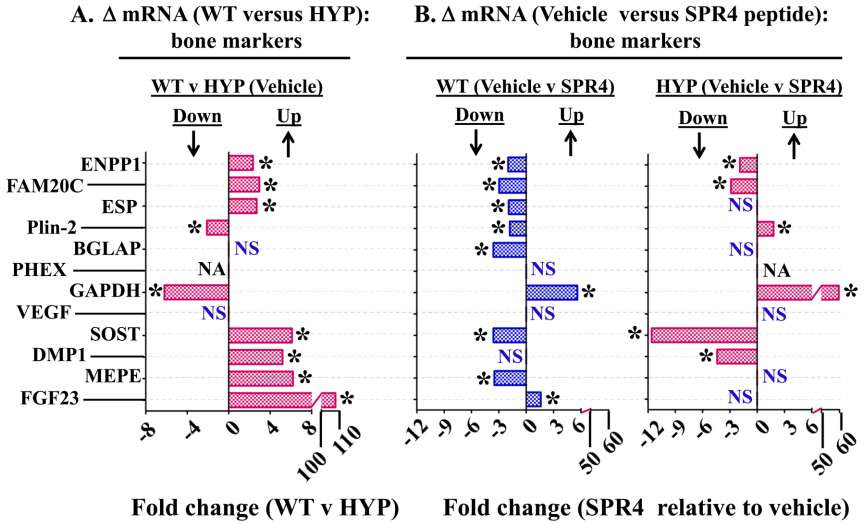

Figure 4. Bone (femur) gene expression (mRNA) comparisons as measured by quantitative RT/PCR (qRT-PCR) for wild type (WT) and HYP mice infused with vehicle or SPR4-peptide for 28 days. Mice were sacrificed on day 28 and femurs collected for RNA purification as described in methods. Column headings represent; WT = wild type mice, HYP = X-linked hypophosphatemic rickets mice, SPR4 = infused SPR4-peptide and Vehicle = Saline infused. For gene analysis mRNA was prepared from bone marrow stromal cell "*depleted*" femurs as detailed in methods. For qRT-PCR gene analysis fold differences in expression calculated by the Pfaffl method [163] were statistically analyzed for significance using the One Sample t-test and the Wilcoxon Signed rank-test with theoretical means set to 1. Results are significant (* = $p<0.05$) unless indicated by NS (see also **Table 4** for detailed statistics). ***Index:*** **FAM20C** = Family with sequence similarity 20, member C Kinase also known as DMP4; **ENPP1** = Ectonucleotide Pyrophosphatase Phosphodiesterase 1; **ESP** = Osteotesticular protein tyrosine (OST-PTP); **Plin-2** = Perlipin-2; phosphatase; **Cyclophilin** = peptidylprolyl isomerase A (cyclophilin A); **BGLAP** = Osteocalcin or Bone Gamma-Carboxyglutamate (gla) protein; **PHEX** = Phosphate-regulating gene with Homologies to Endopeptidases on the X chromosome; **GAPDH** = Glyceraldehyde 3-phosphate dehydrogenase; **VEGF** = Vascular Endothelial Growth factor; **DMP1** = Dentin Matrix Protein 1; **SOST** = Sclerostin; **MEPE** = Matrix Extracellular Phosphoglycoprotein with ASARM -motif; **FGF23** = Fibroblast Growth Factor 23; **NS** = not significant; **NA** = not applicable, PHEX mutated in HYP; * = $P<0.05$. Histogram bars to the left of zero on the axis indicate down regulation and to the right up regulation.
doi:10.1371/journal.pone.0097326.g004

Reference

1. Zelenchuk LV, Hedge A-M, Rowe PSN (2014) PHEX Mimetic (SPR4-Peptide) Corrects and Improves HYP and Wild Type Mice Energy-Metabolism. PLoS ONE 9(5): e97326. doi:10.1371/journal.pone.0097326