

Article

Changes of circulating acylated ghrelin and neutrophils elastase in diabetic retinopathy

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Supplementary Material

Supplementary Figures

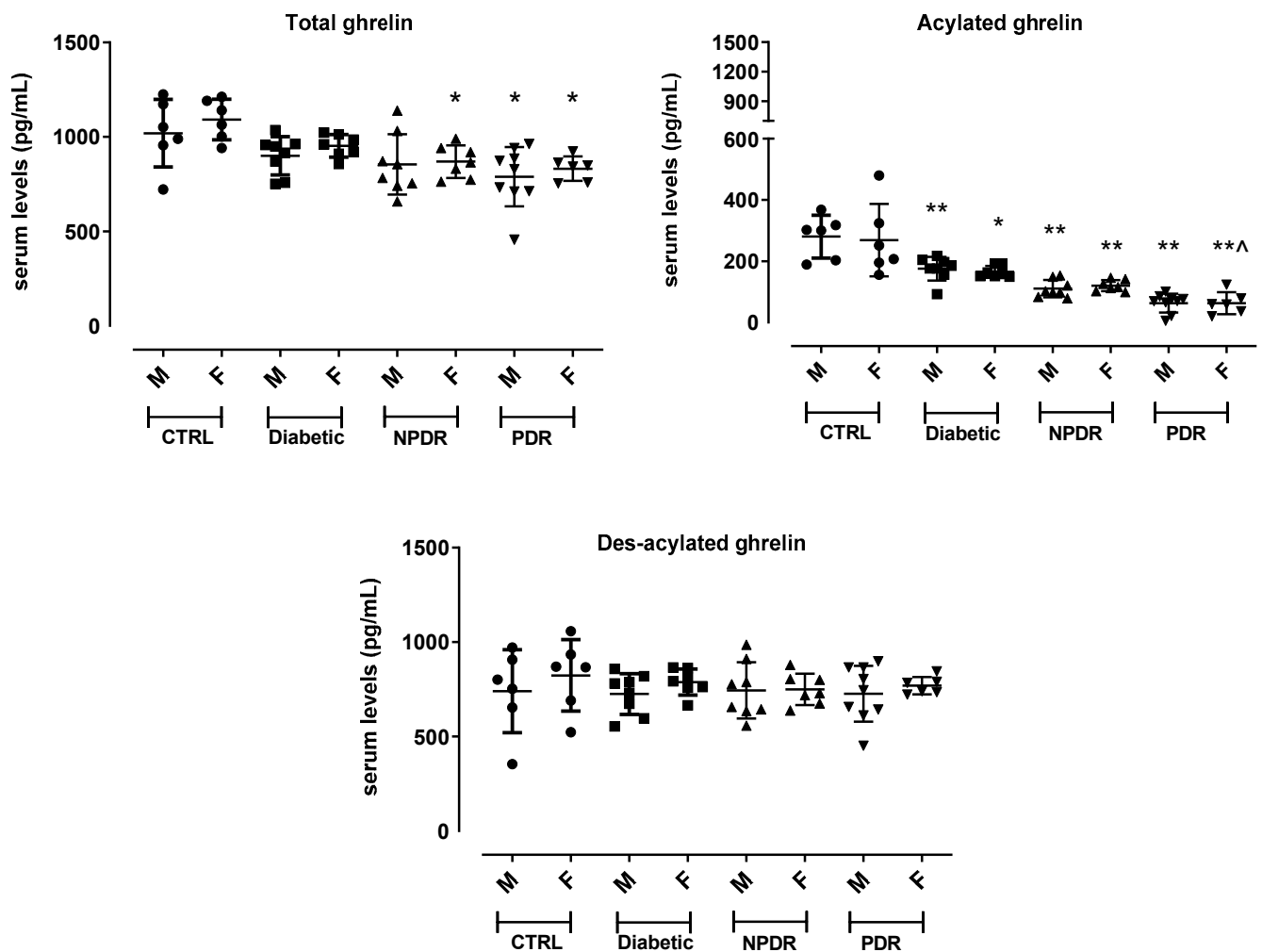


Figure S1. Serum levels of total, acylated and des-acylated ghrelin in male and female subgroups. Non-diabetic subjects with absence of ocular pathologies (6 M and 6 F - CTRL); diabetic patients with no signs of diabetic retinopathy (8 M and 7 F - Diabetic); diabetic patients with non-proliferative diabetic retinopathy (8 M and 7 F - NPDR) or proliferative retinopathy (9 M and 6 F - PDR); M = males, F = females; * $P < 0.05$ and ** $P < 0.01$ vs CTRL, same sex; ^ $P < 0.05$ vs NPDR, same sex.

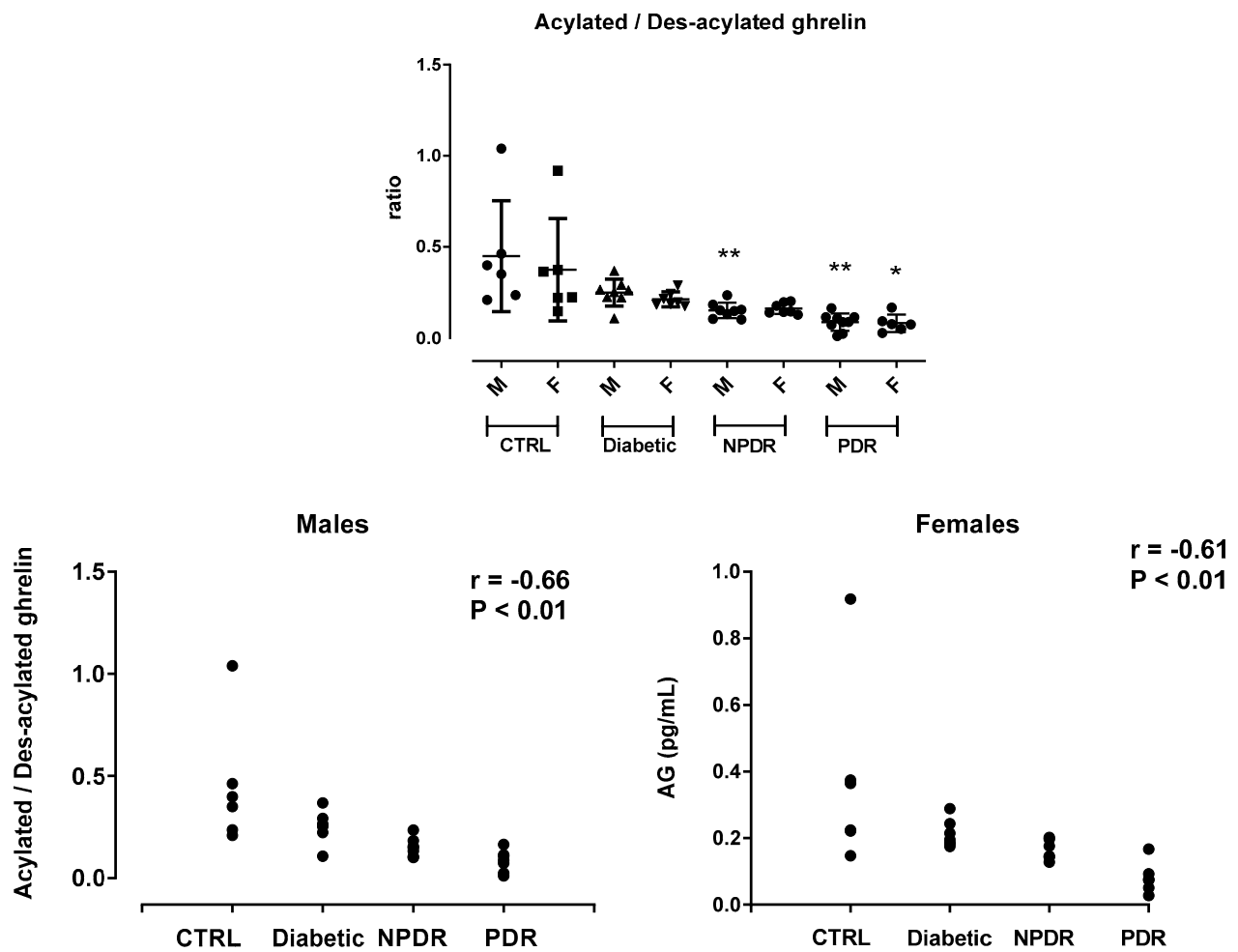


Figure S2. Serum Acylated/Des-acylated ratio and its correlation with DR stage in male and female subgroups. Non-diabetic subjects with absence of ocular pathologies (6 M and 6 F - CTRL); diabetic patients with no signs of diabetic retinopathy (8 M and 7 F - Diabetic); diabetic patients with non-proliferative diabetic retinopathy (8 M and 7 F - NPDR) or proliferative retinopathy (9 M and 6 F - PDR). M = males, F = females; * $P < 0.05$ and ** $P < 0.01$ vs CTRL, same sex.

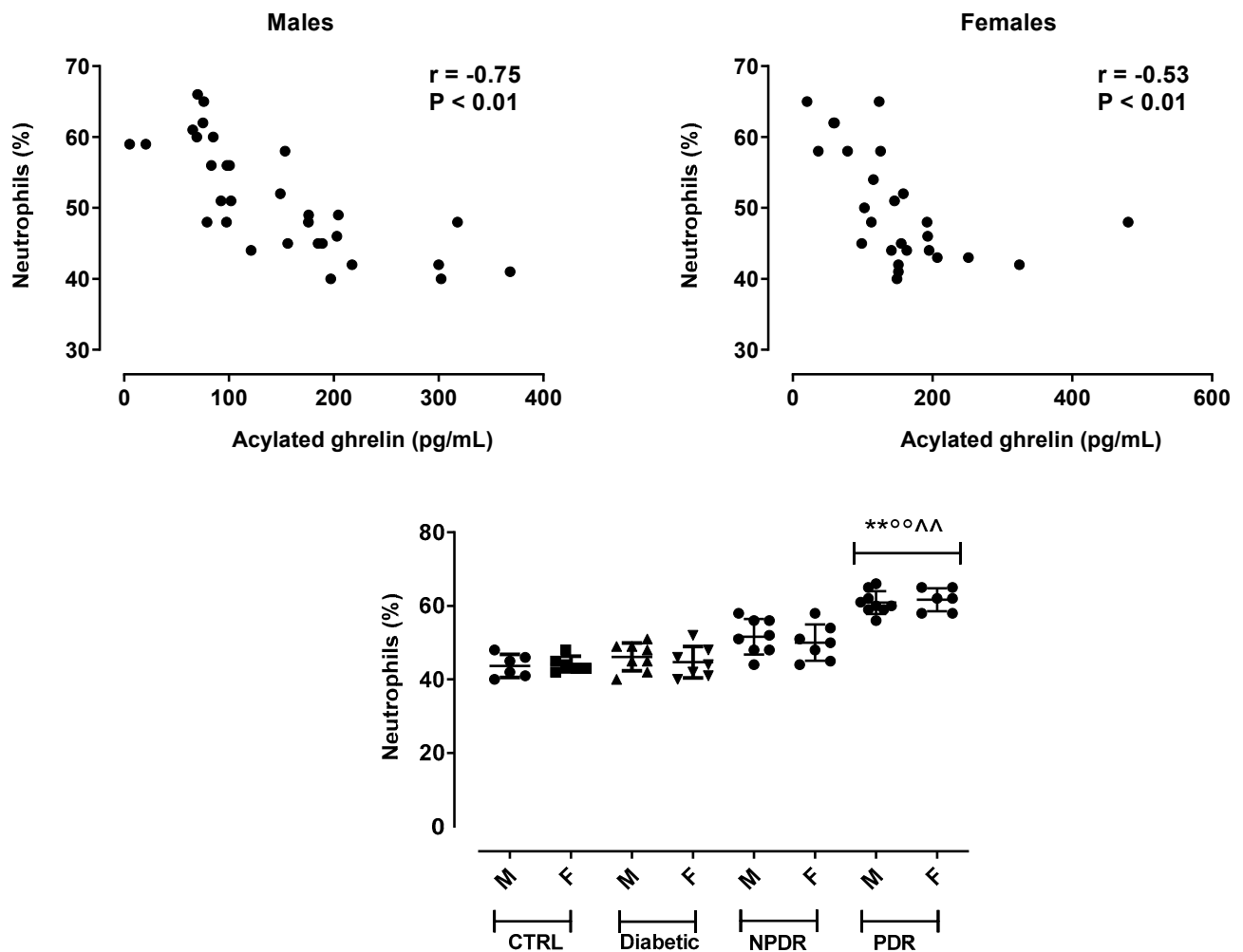


Figure S3. Serum neutrophils percentage and its correlation with Acylated ghrelin in male and female subgroups. Non-diabetic subjects with absence of ocular pathologies (6 M and 6 F - CTRL); diabetic patients with no signs of diabetic retinopathy (8 M and 7 F - Diabetic); diabetic patients with non-proliferative diabetic retinopathy (8 M and 7 F - NPDR) or proliferative retinopathy (9 M and 6 F - PDR). M = males, F = females; ** $P < 0.01$ vs CTRL, same sex; ^{oo} $P < 0.01$ vs Diabetic, same sex; ^^ $P < 0.01$ vs NPDR, same sex.

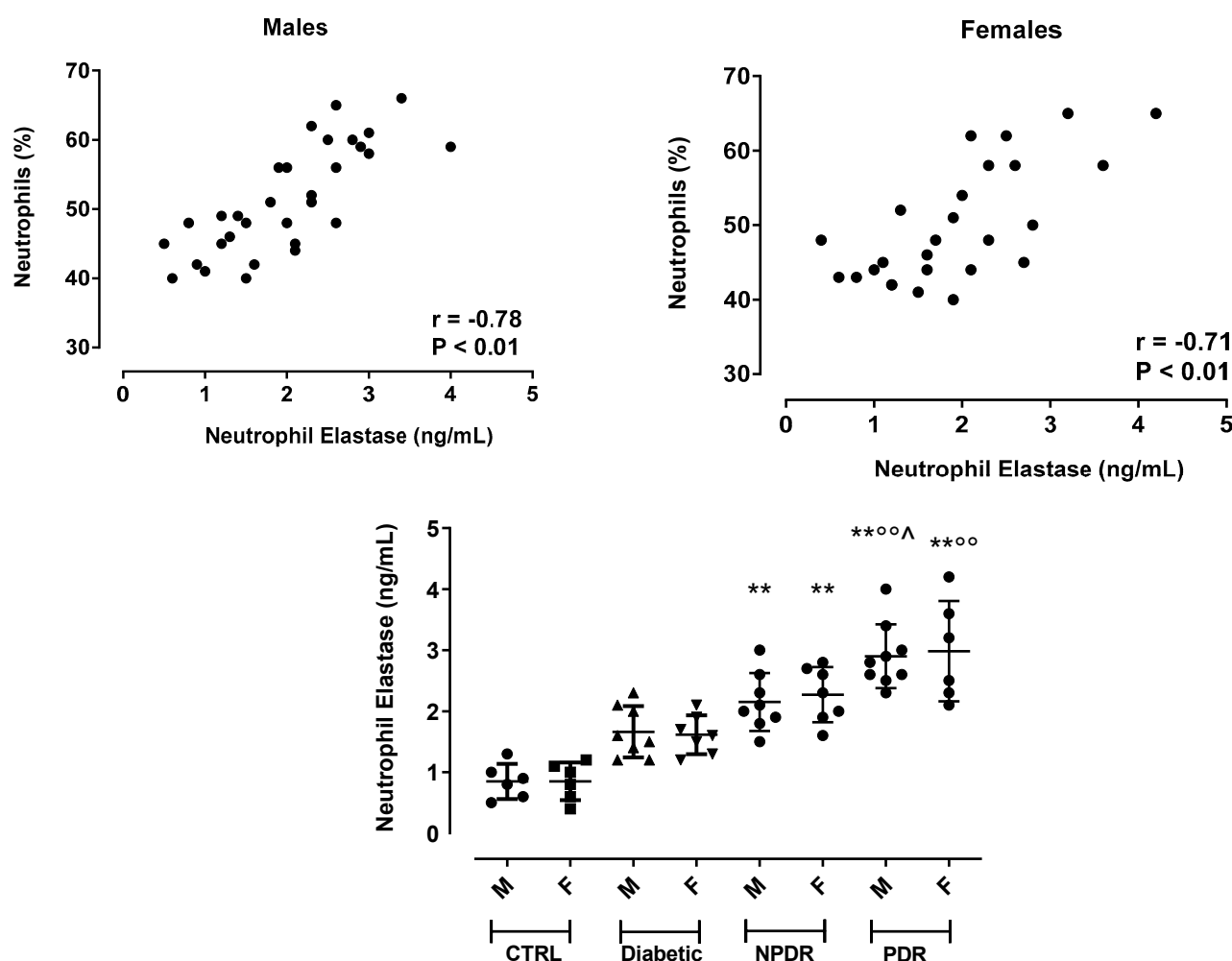


Figure S4. Serum Neutrophil Elastase and its correlation with Neutrophils percentage in male and female subgroups. Non-diabetic subjects with absence of ocular pathologies (6 M and 6 F - CTRL); diabetic patients with no signs of diabetic retinopathy (8 M and 7 F - Diabetic); diabetic patients with non-proliferative diabetic retinopathy (8 M and 7 F - NPDR) or proliferative retinopathy (9 M and 6 F - PDR). M = males, F = females; ** $P < 0.01$ vs CTRL, same sex; °° $P < 0.01$ vs Diabetic, same sex; ^ $P < 0.05$ vs NPDR, same sex.

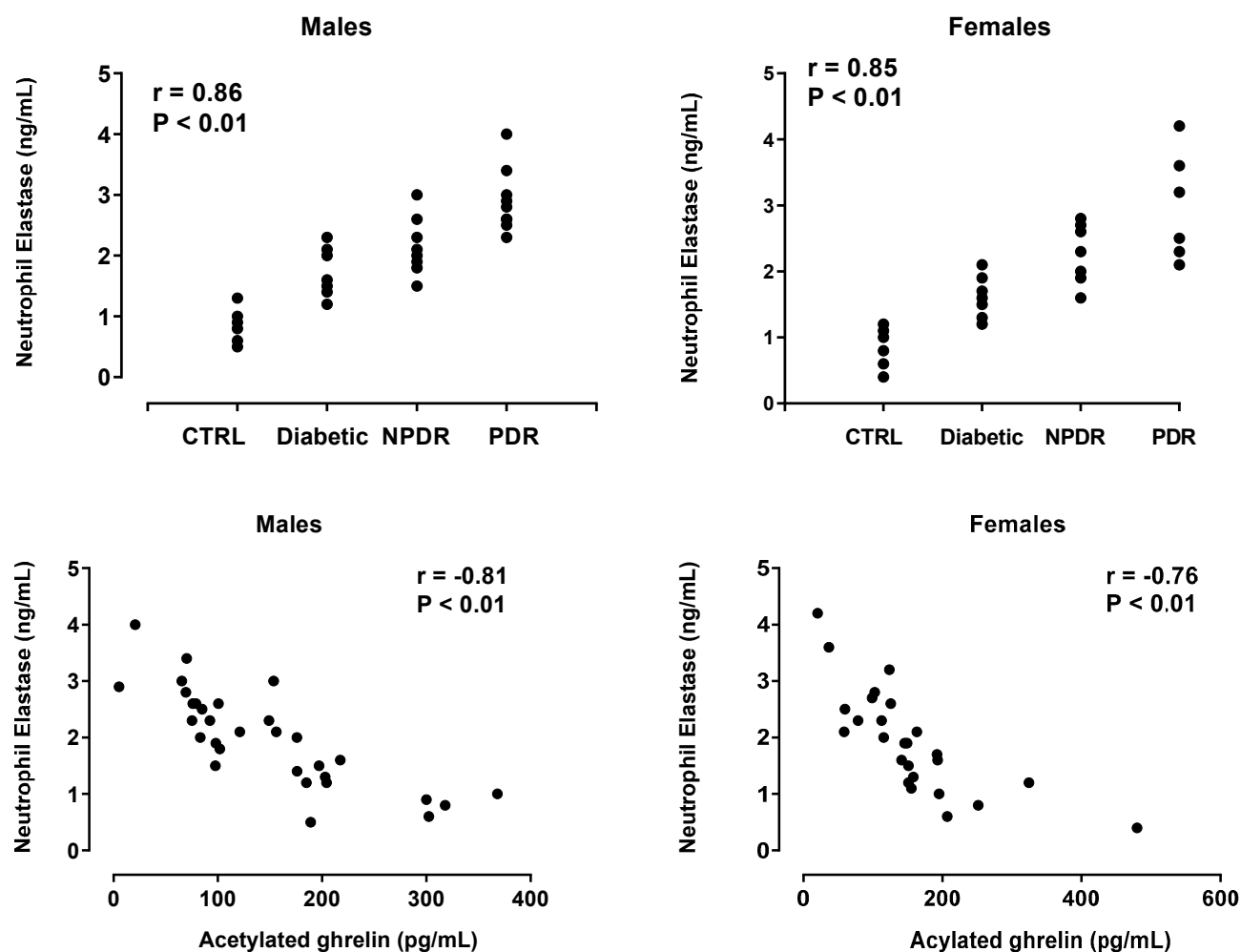


Figure S5. Correlation of serum Neutrophil Elastase and DR stage or Acylated ghrelin in male and female subgroups. Non-diabetic subjects with absence of ocular pathologies (6 M and 6 F - CTRL); diabetic patients with no signs of diabetic retinopathy (8 M and 7 F - Diabetic); diabetic patients with non-proliferative diabetic retinopathy (8 M and 7 F - NPDR) or proliferative retinopathy (9 M and 6 F - PDR).