

Figure 1: Scatter plot of plasma LH in different groups

Plasma LH levels in Tanner stage I boys at different time points

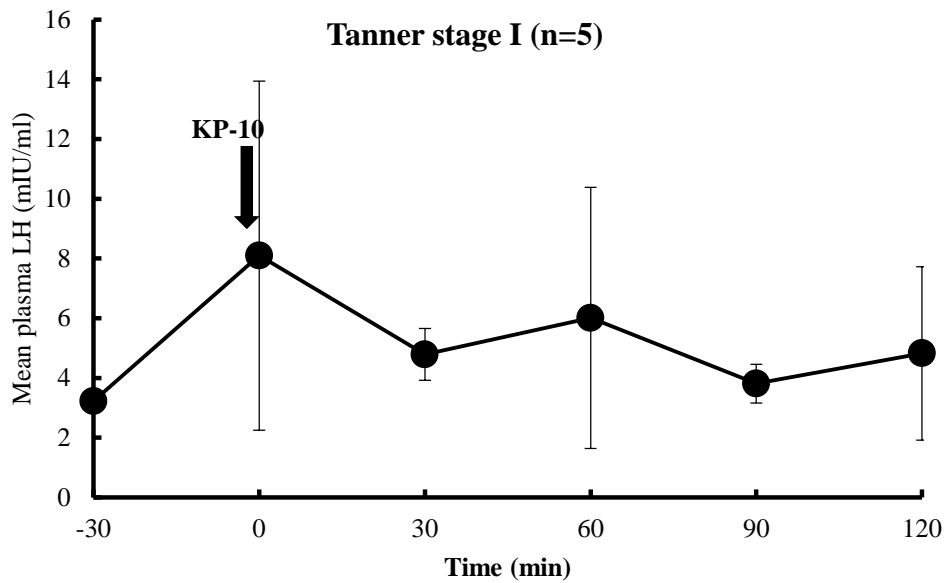


Figure 2: Mean \pm SEM (n=5) plasma LH concentrations before and after administration of kisspeptin-10 (single iv bolus; \downarrow) in Tanner stage I boys. One-way ANOVA with repeated measures showed that there is no significant variation in plasma LH concentrations before and after kisspeptin administrations.

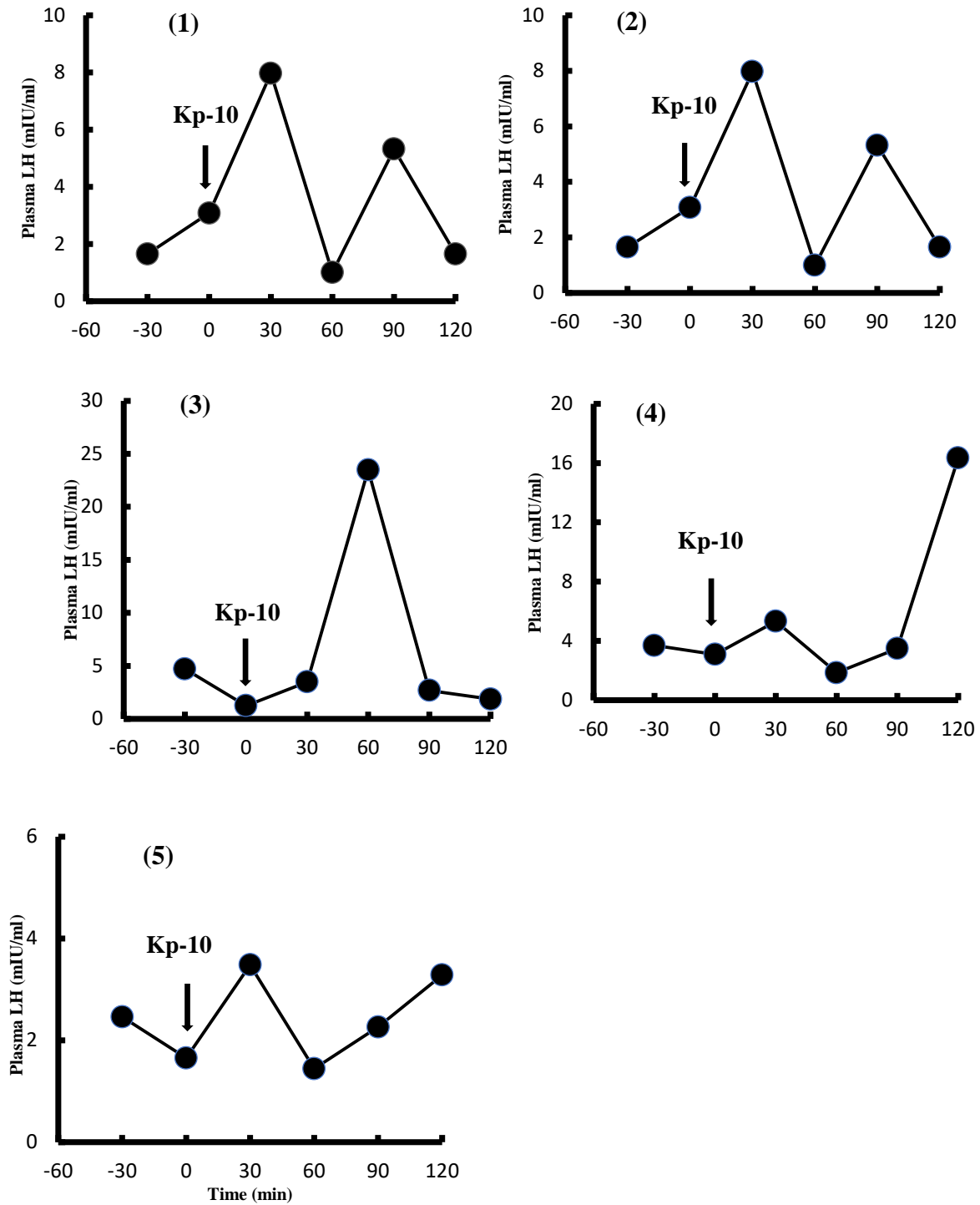


Figure 3: Plasma LH concentration before and after administration of kisspeptin-10 (single iv bolus; ↓) in individual Tanner stage I group (1-5).

Plasma Testosterone levels in Tanner stage I and II boys at different time points

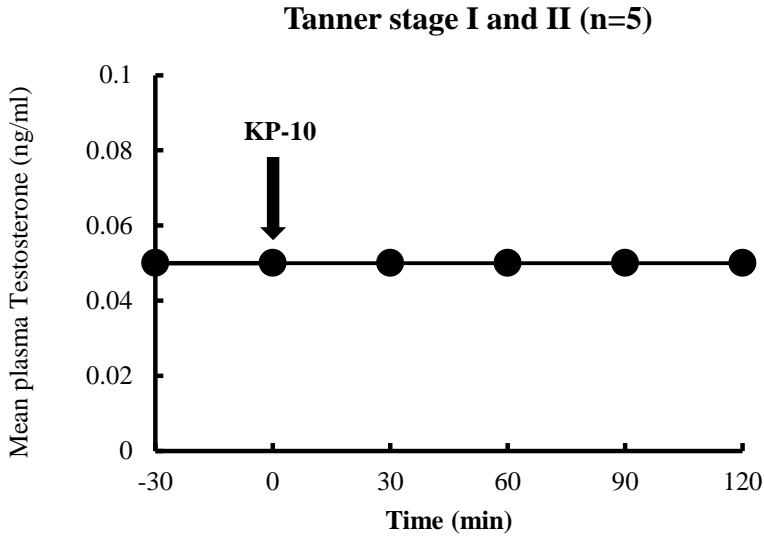


Figure 4: Mean \pm SEM (n=5) plasma testosterone concentrations before and after administration of kisspeptin-10 (single iv bolus; \downarrow) in Tanner stage I and II boys. One-way ANOVA with repeated measures showed that there is no significant variation in plasma testosterone concentrations after kisspeptin administration.

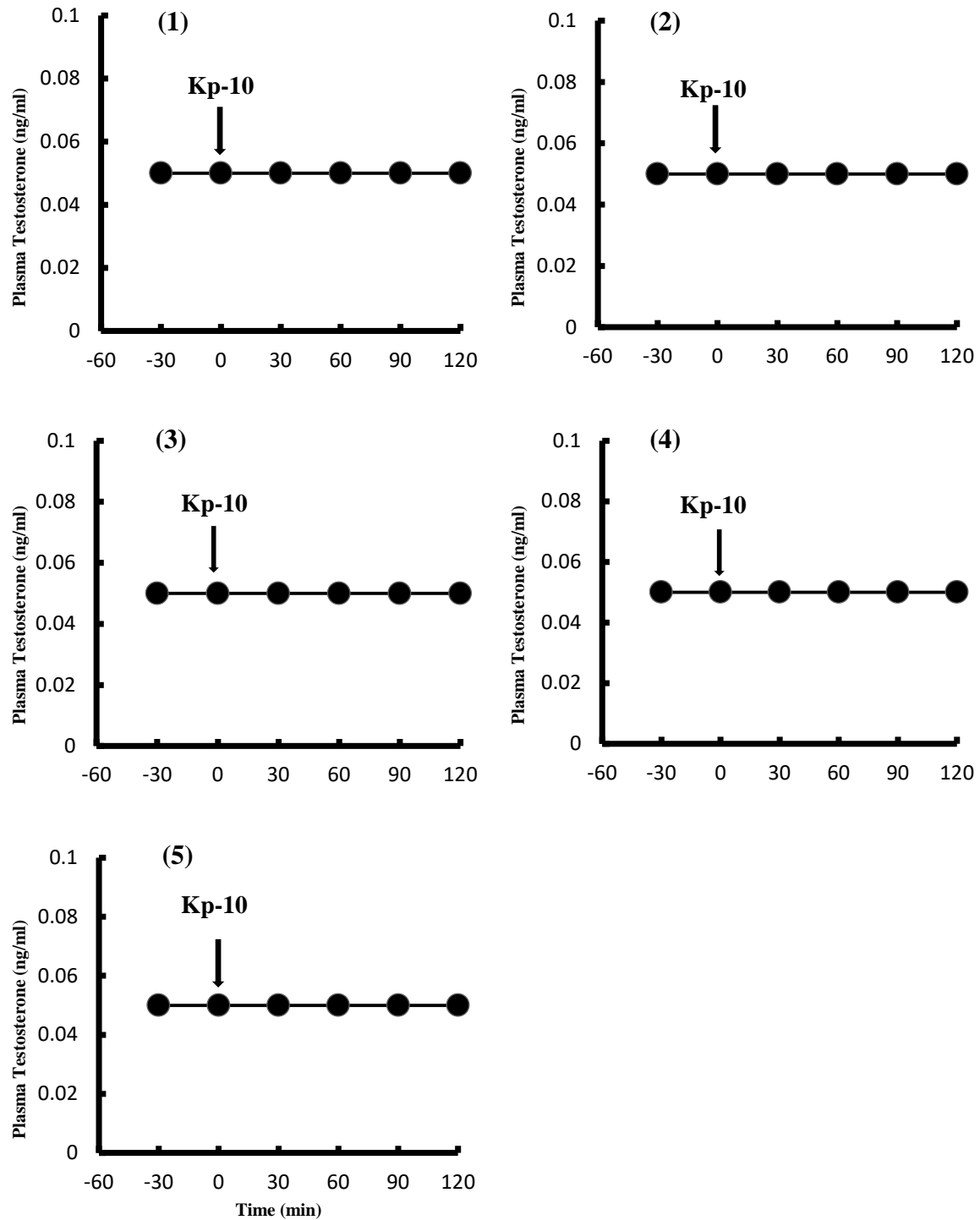


Figure 5: Plasma testosterone concentration before and after administration of kisspeptin-10 (single iv bolus; ↓) in individual Tanner stage I and II groups (1-5).

Plasma LH levels in Tanner stage II boys at different time points

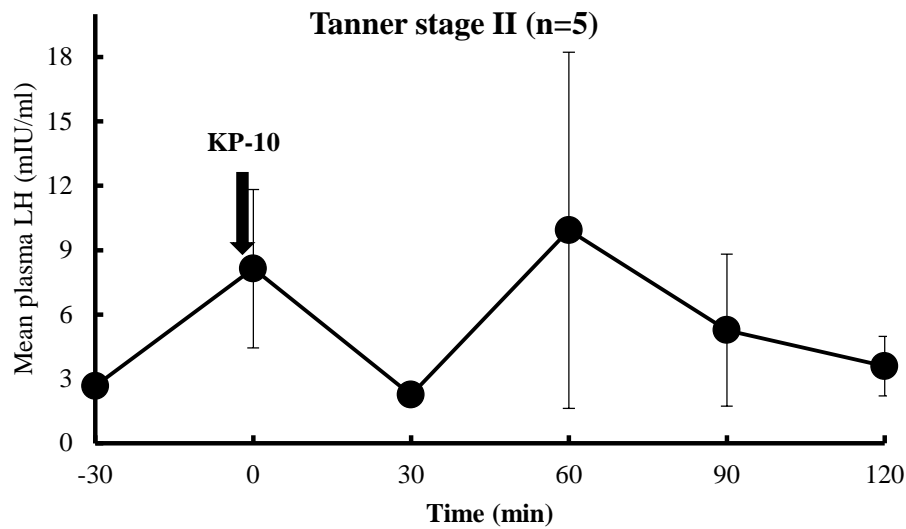


Figure 6: Mean \pm SEM (n=5) plasma LH concentrations before and after administration of kisspeptin-10 (single iv bolus; \downarrow) in Tanner stage II boys. One-way ANOVA with repeated measures showed that there is no significant variation in plasma LH concentrations before and after kisspeptin administrations.

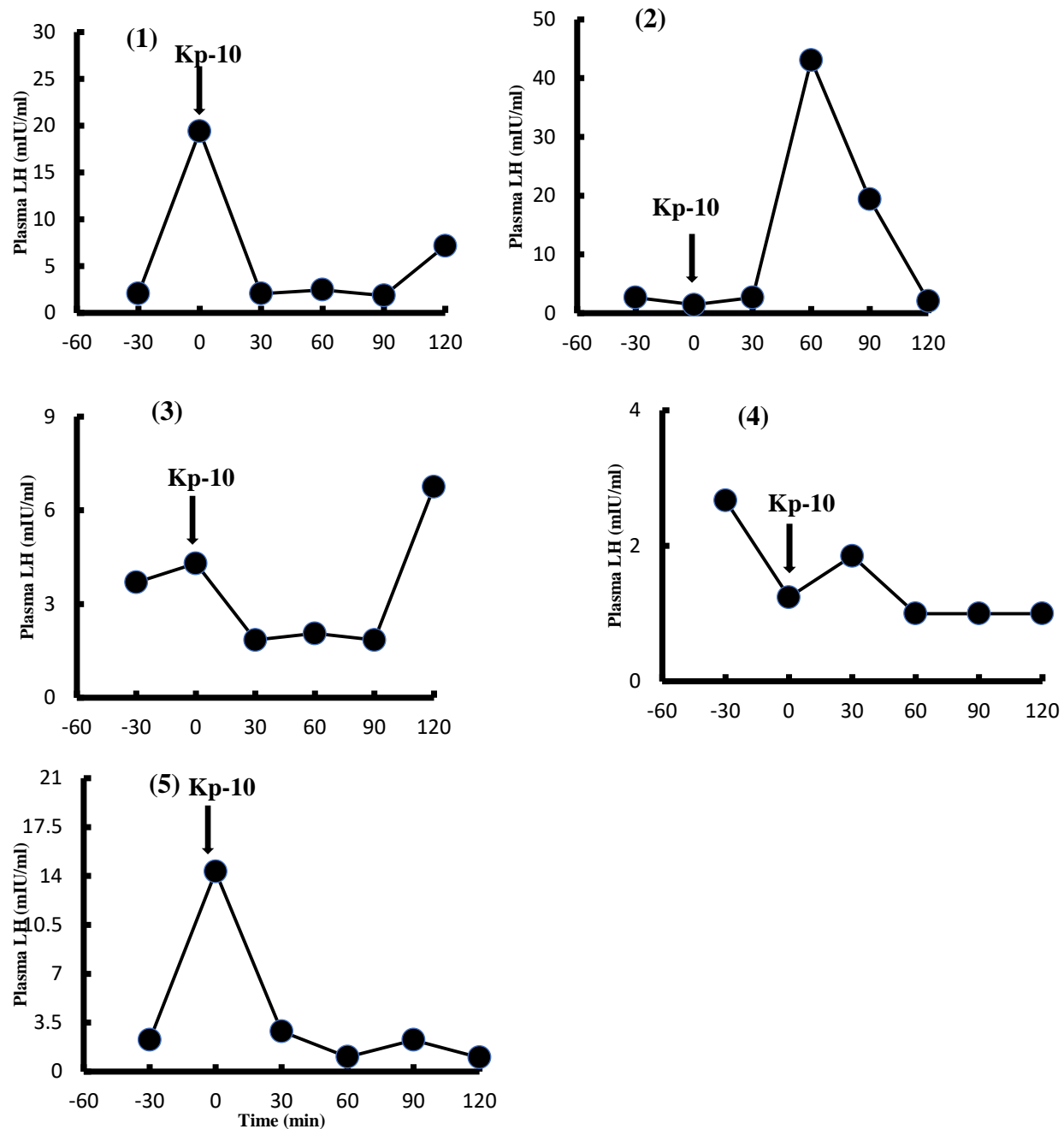


Figure 7: Plasma LH concentration before and after administration of kisspeptin-10 (single iv bolus; ↓) in individual Tanner stage II group (1-5).

Plasma LH levels in Tanner stage III boys at different time points

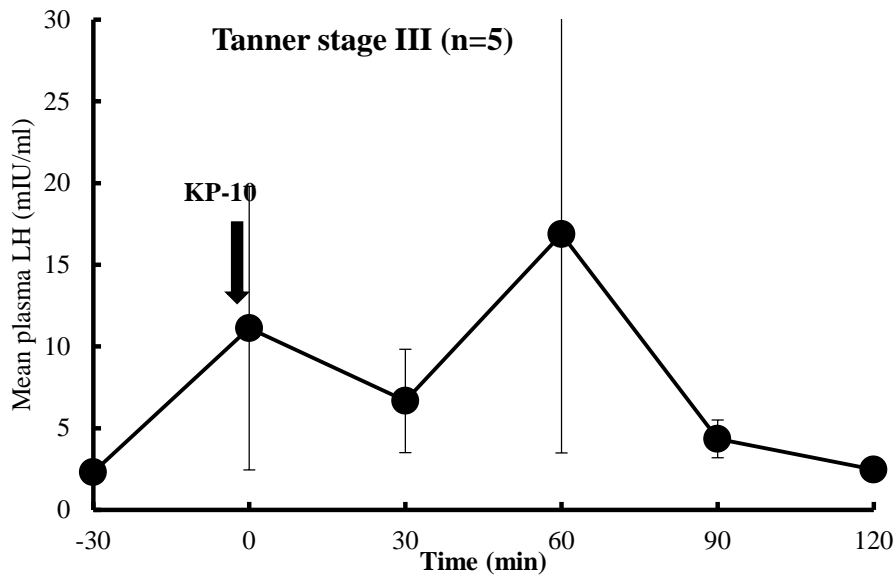


Figure 8: Mean \pm SEM (n=5) plasma LH concentrations before and after administration of kisspeptin-10 (single iv bolus; \downarrow) in Tanner stage III boys. One-way ANOVA with repeated measures showed that there is no significant variation in plasma LH concentrations before and after kisspeptin administrations.

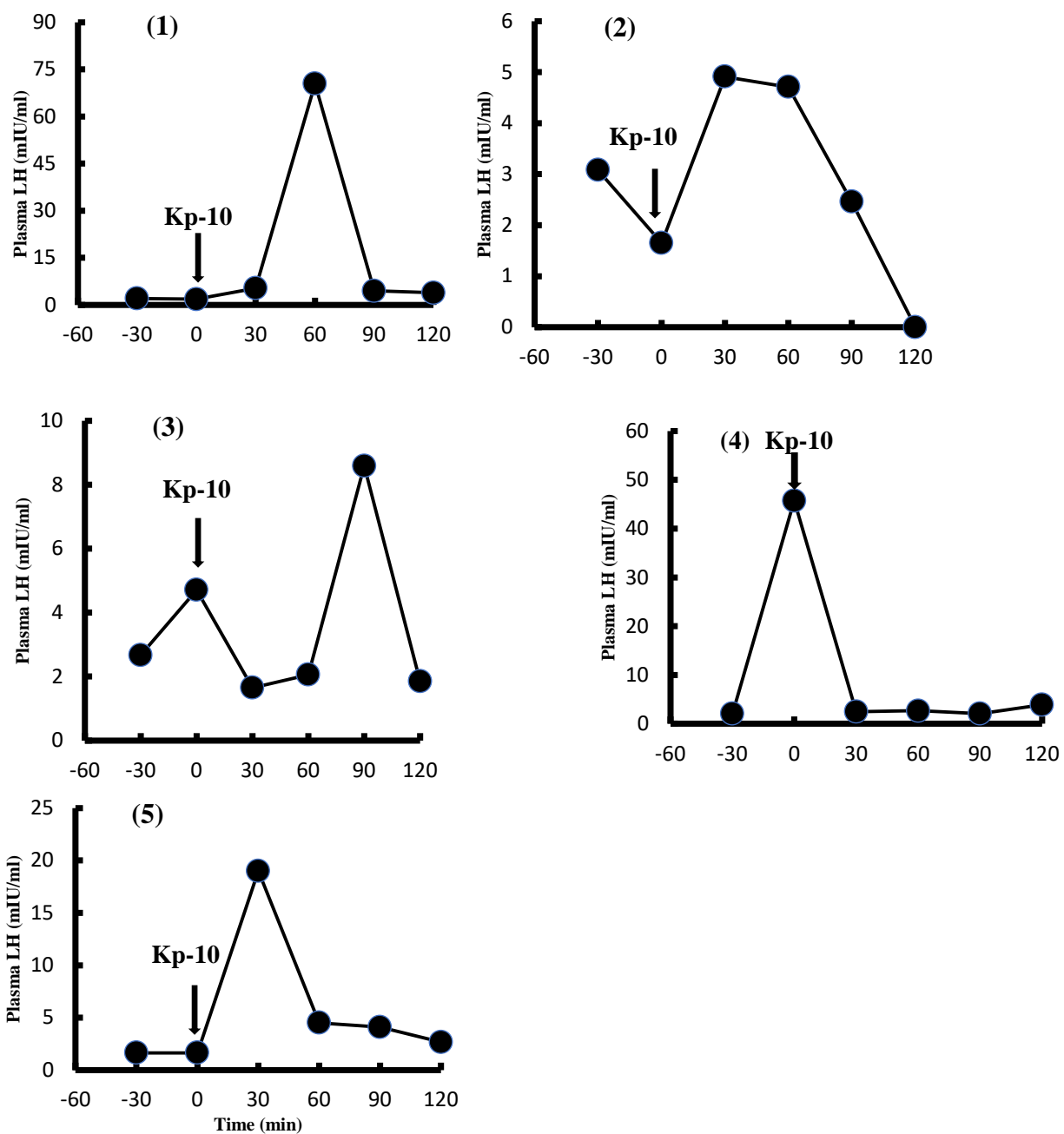


Figure 9: Plasma LH concentration before and after administration of kisspeptin-10 (single iv bolus; ↓) in individual Tanner stage III group (1-5).

Plasma Testosterone levels in Tanner stage III boys at different time points

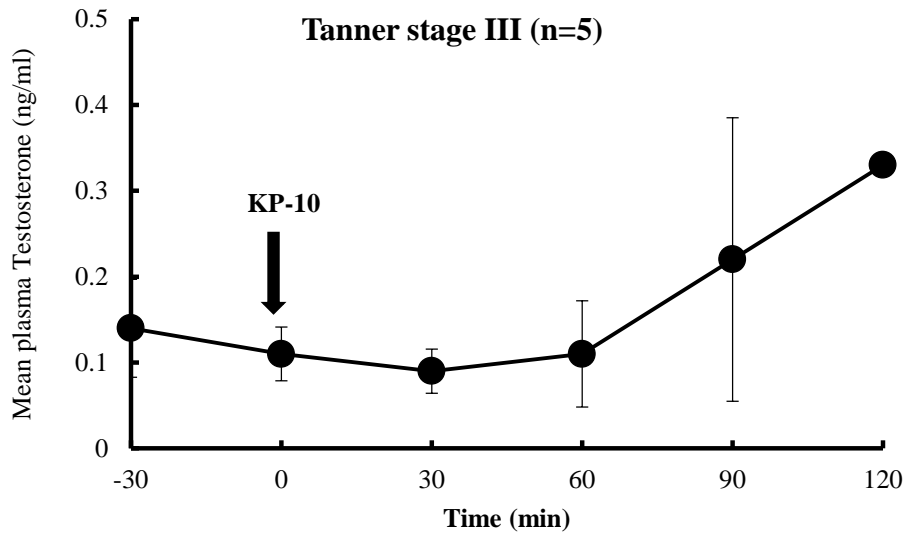


Figure 10: Mean \pm SEM (n=5) plasma testosterone concentrations before and after administration of kisspeptin-10 (single iv bolus; \downarrow) in Tanner stage III boys. One-way ANOVA with repeated measures showed that there is no significant variation in plasma testosterone concentrations after kisspeptin administrations.

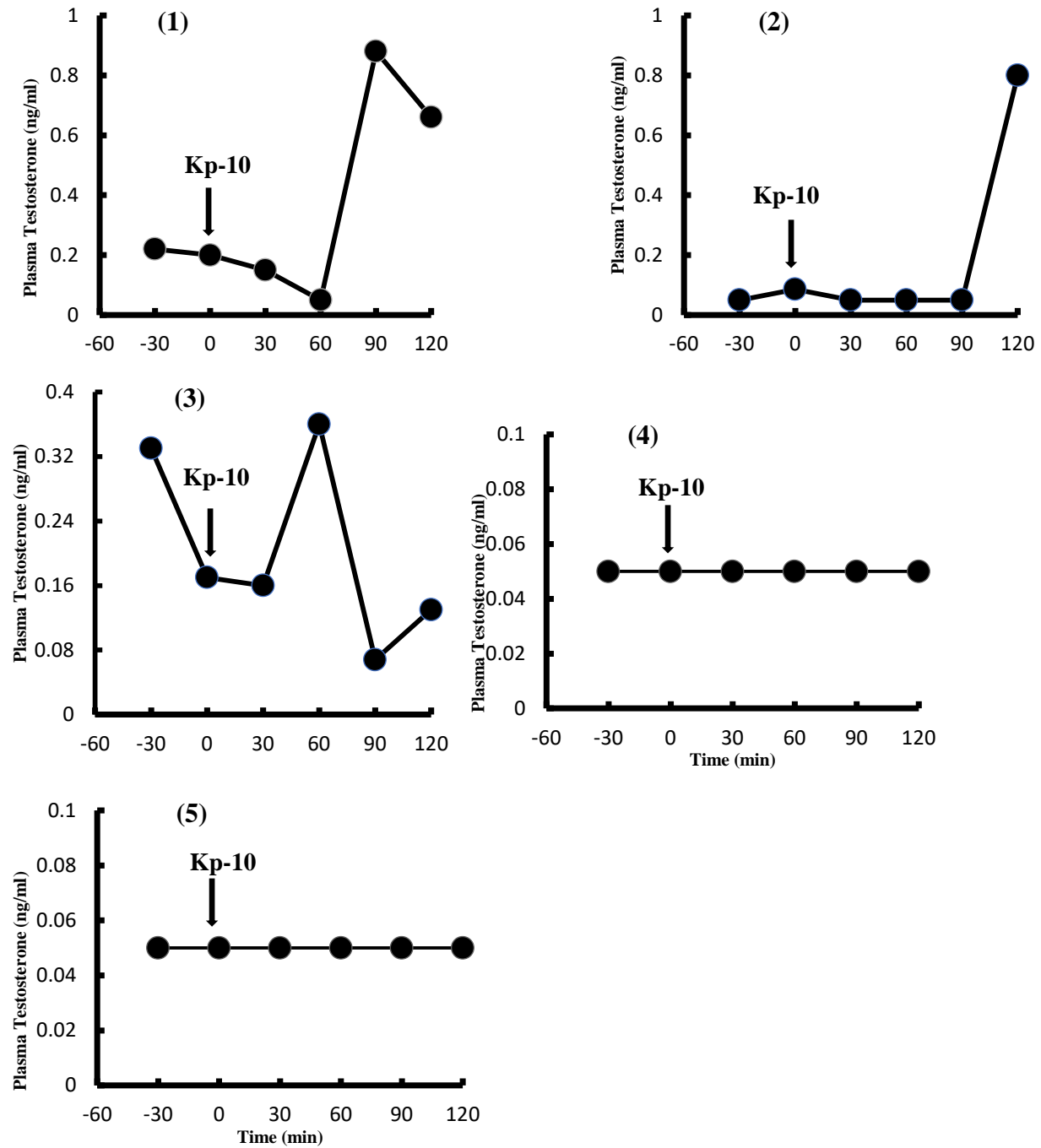


Figure 11: Plasma testosterone concentration before and after administration of kisspeptin-10 (single iv bolus; ↓) in individual Tanner stage III group (1-5).

Plasma LH levels in Tanner stage IV boys at different time points

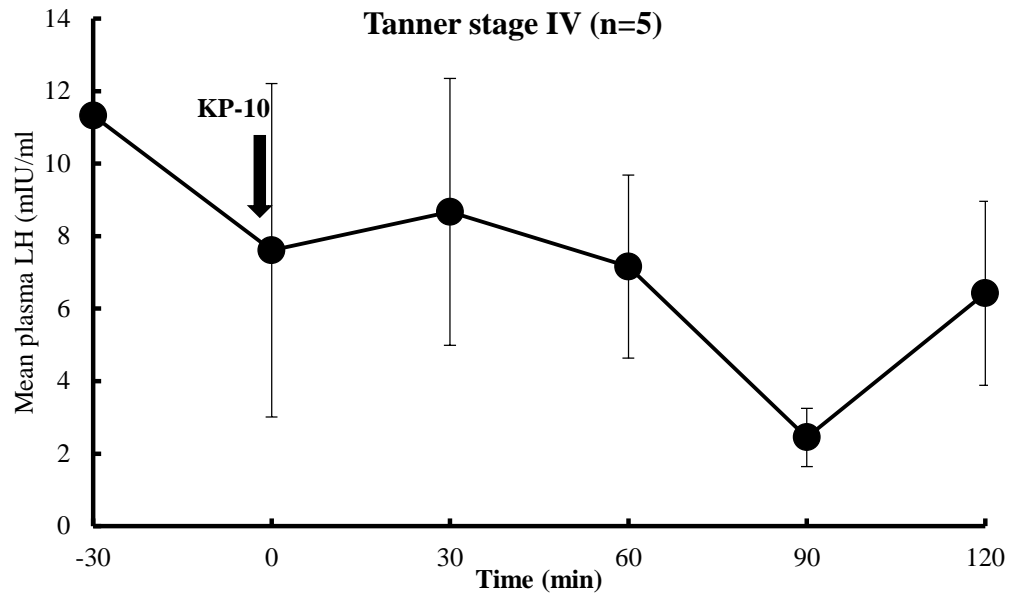


Figure 12: Mean \pm SEM (n=5) plasma LH concentrations before and after administration of kisspeptin-10 (single iv bolus; \downarrow) in Tanner stage IV boys. One-way ANOVA with repeated measures showed that there is no significant variation in plasma LH concentrations before and after kisspeptin administrations.

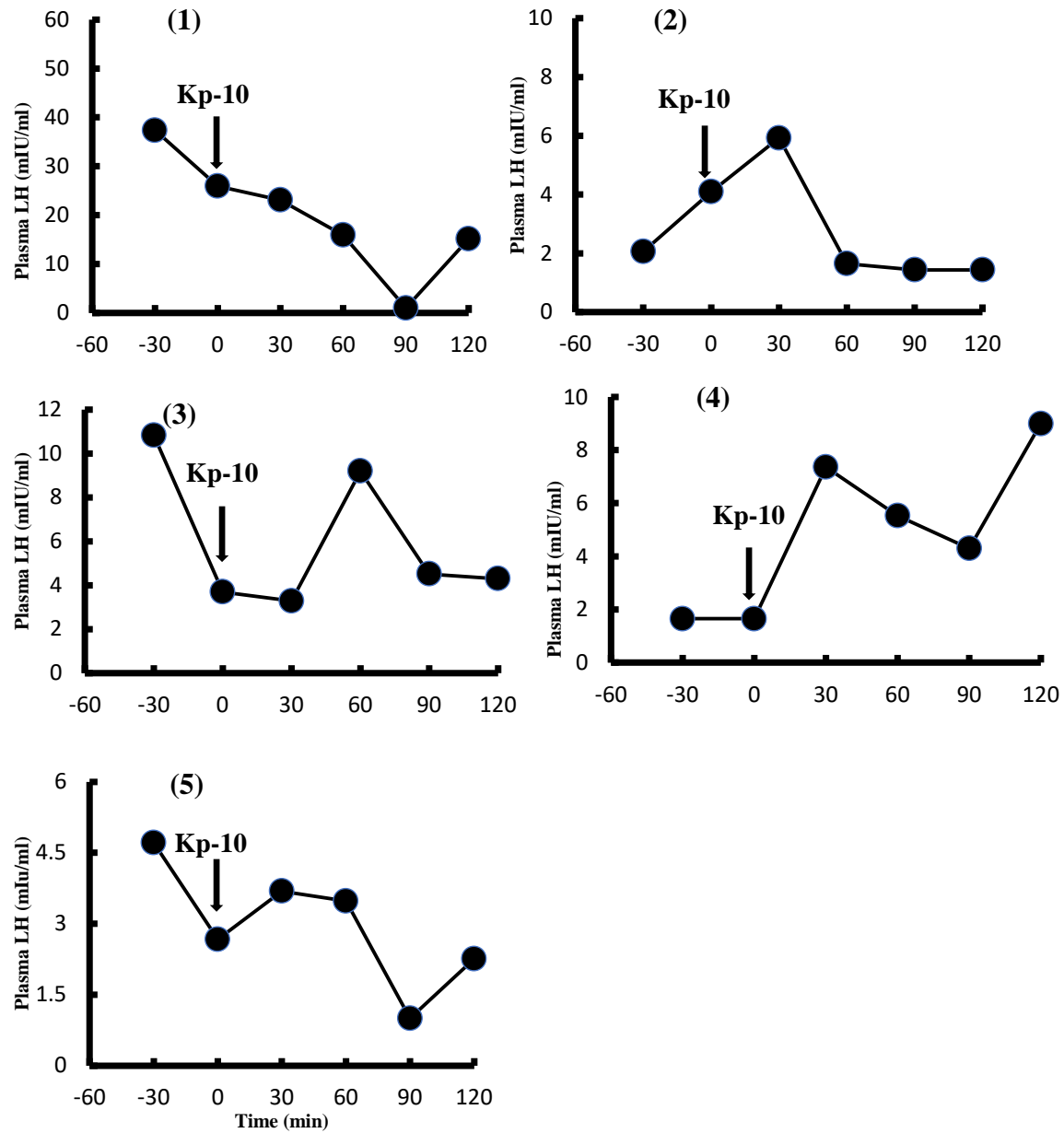


Figure 13: Plasma LH concentration before and after administration of kisspeptin-10 (single iv bolus; ↓) in individual Tanner stage IV group (1-5).

Plasma Testosterone levels in Tanner stage IV boys at different time points

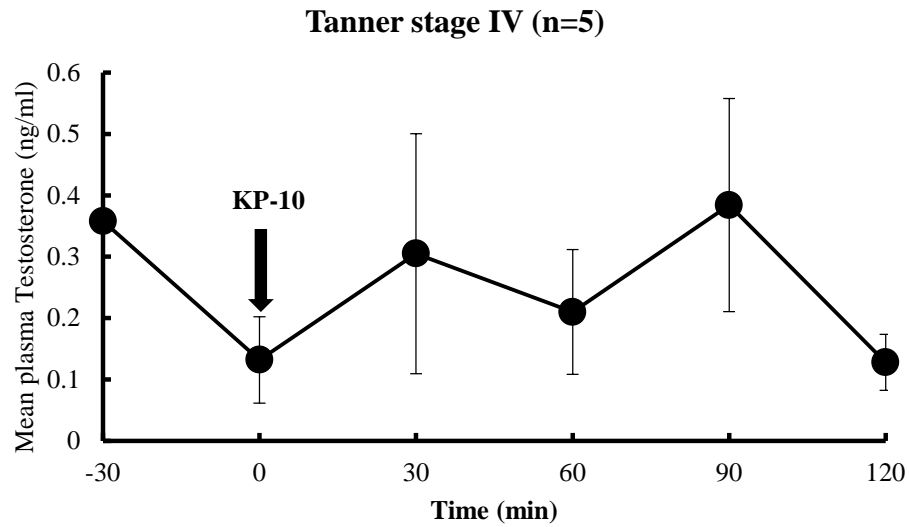


Figure 14: Mean \pm SEM (n=5) plasma testosterone concentrations before and after administration of kisspeptin-10 (single iv bolus; \downarrow) in Tanner stage IV boys. One-way ANOVA with repeated measures showed that there is no significant variation in plasma testosterone concentrations after kisspeptin administration.

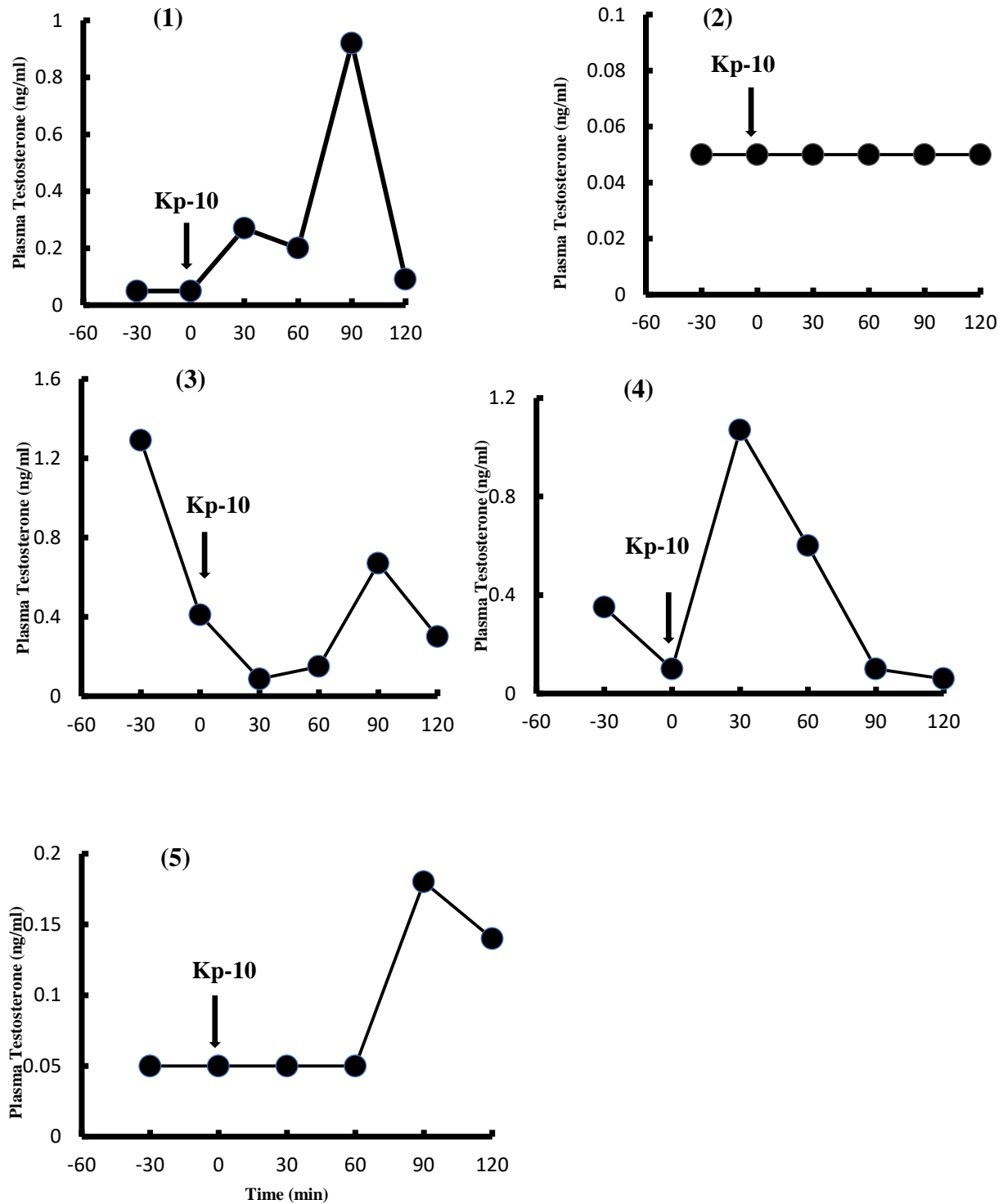


Figure 15: Plasma testosterone concentration before and after administration of kisspeptin-10 (single iv bolus; ↓) in individual Tanner stage IV group (1-5).

Plasma LH levels in Tanner stage V boys at different time points

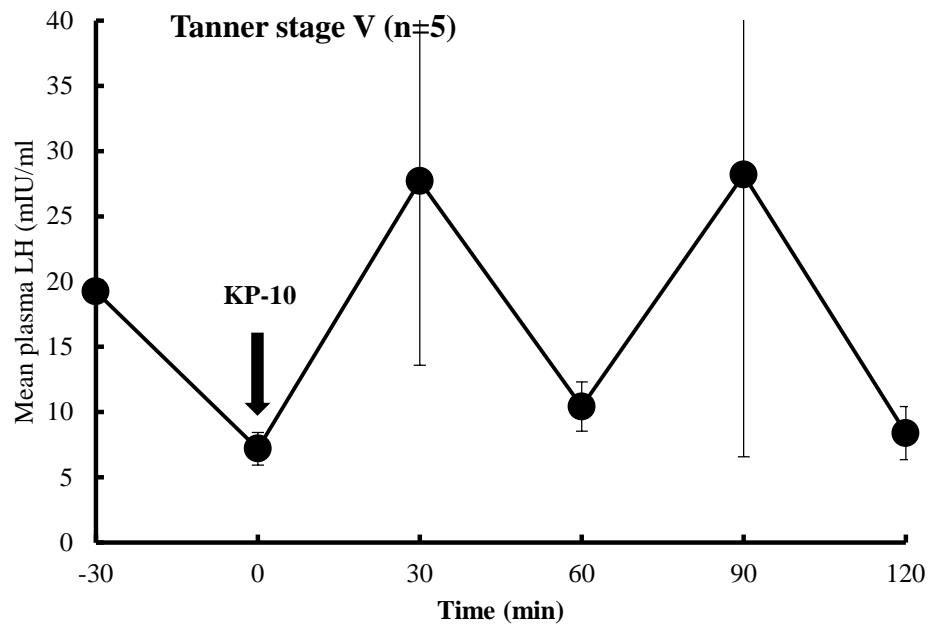


Figure 16: Mean \pm SEM (n=5) plasma LH concentrations before and after administration of kisspeptin-10 (single iv bolus; \downarrow) in Tanner stage V boys. One-way ANOVA with repeated measures showed that there is no significant variation in plasma LH concentrations before and after kisspeptin administrations.

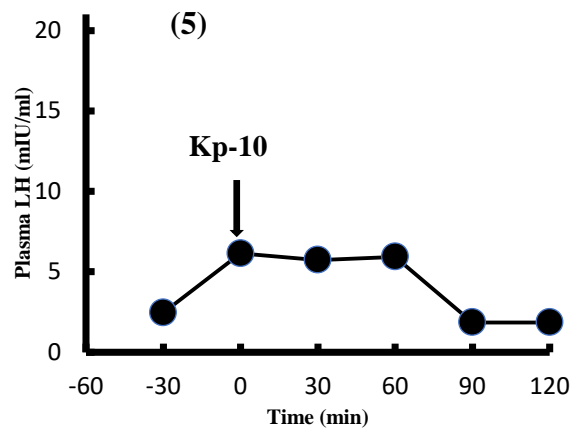
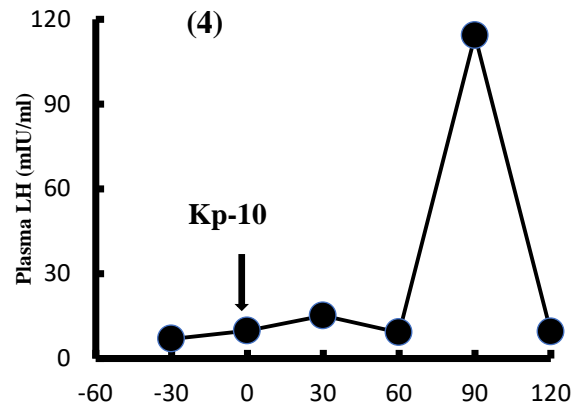
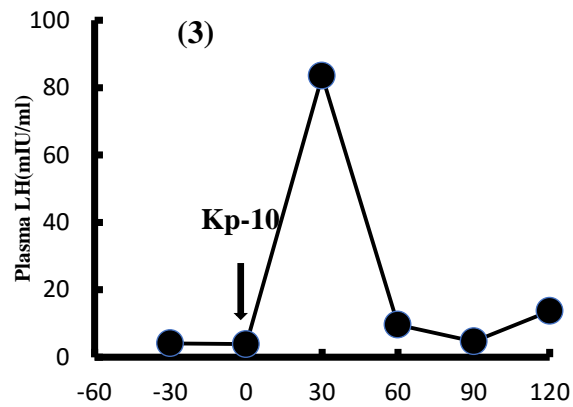
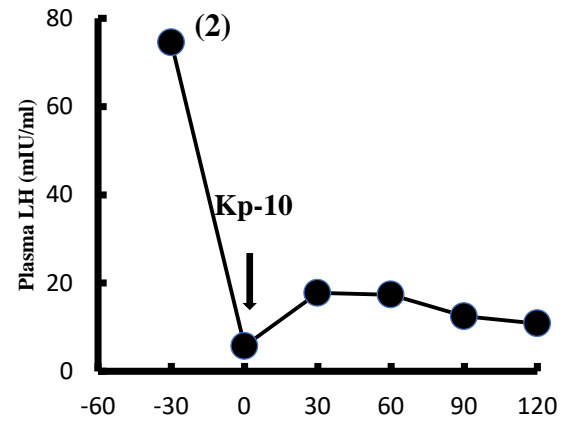
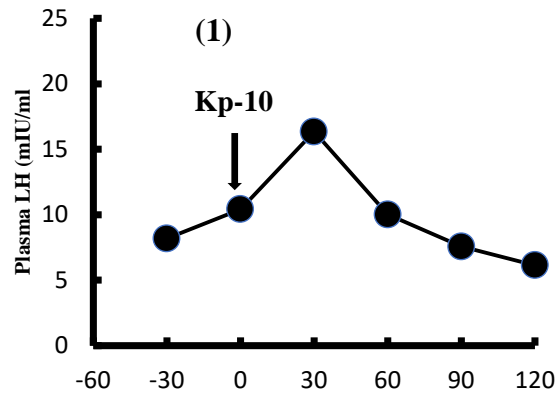


Figure 17: Plasma LH concentration before and after administration of kisspeptin-10 (single iv bolus; ↓) in individual Tanner stage V group (1-5).

Plasma Testosterone levels in Tanner stage V boys at different time points

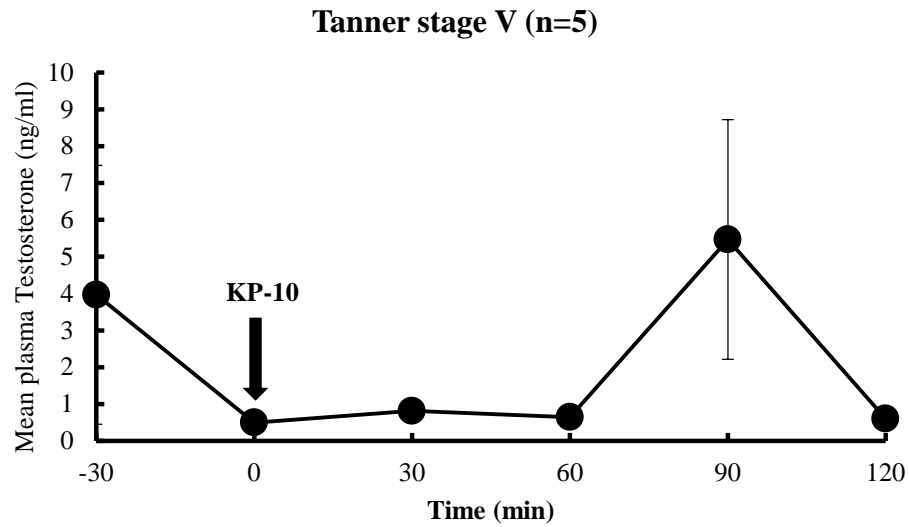


Figure 18: Mean \pm SEM (n=5) plasma testosterone concentrations before and after administration of kisspeptin-10 (single iv bolus; \downarrow) in Tanner stage V boys. One-way ANOVA with repeated measures showed that there is no significant variation in plasma testosterone concentrations after kisspeptin administrations.

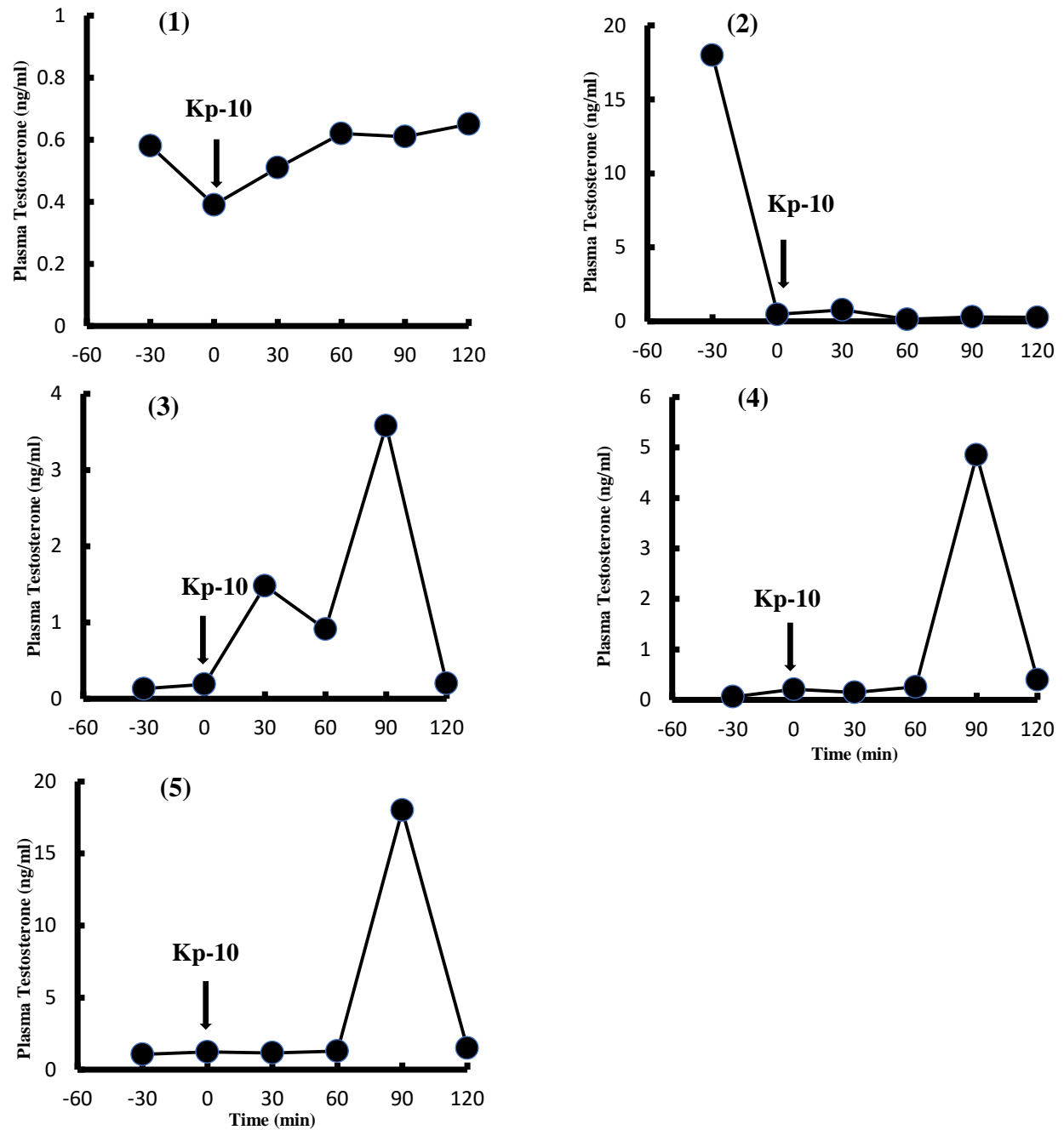


Figure 19: Plasma testosterone concentration before and after administration of kisspeptin-10 (single iv bolus; ↓) in individual Tanner stage V group (1-5).

Plasma LH levels in adult men at different time points

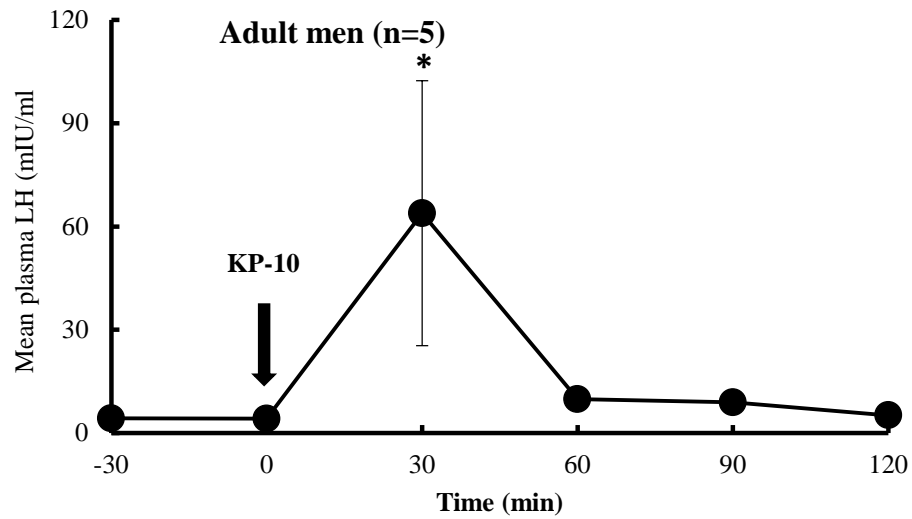


Figure 20: Mean \pm SEM plasma LH concentrations before and after administration of kisspeptin-10 (single iv bolus; \downarrow) in adult men (n=5). One-way ANOVA with repeated measures on log transformed data showed significant variation in LH levels at different times (*P<0.05 vs -30 min).

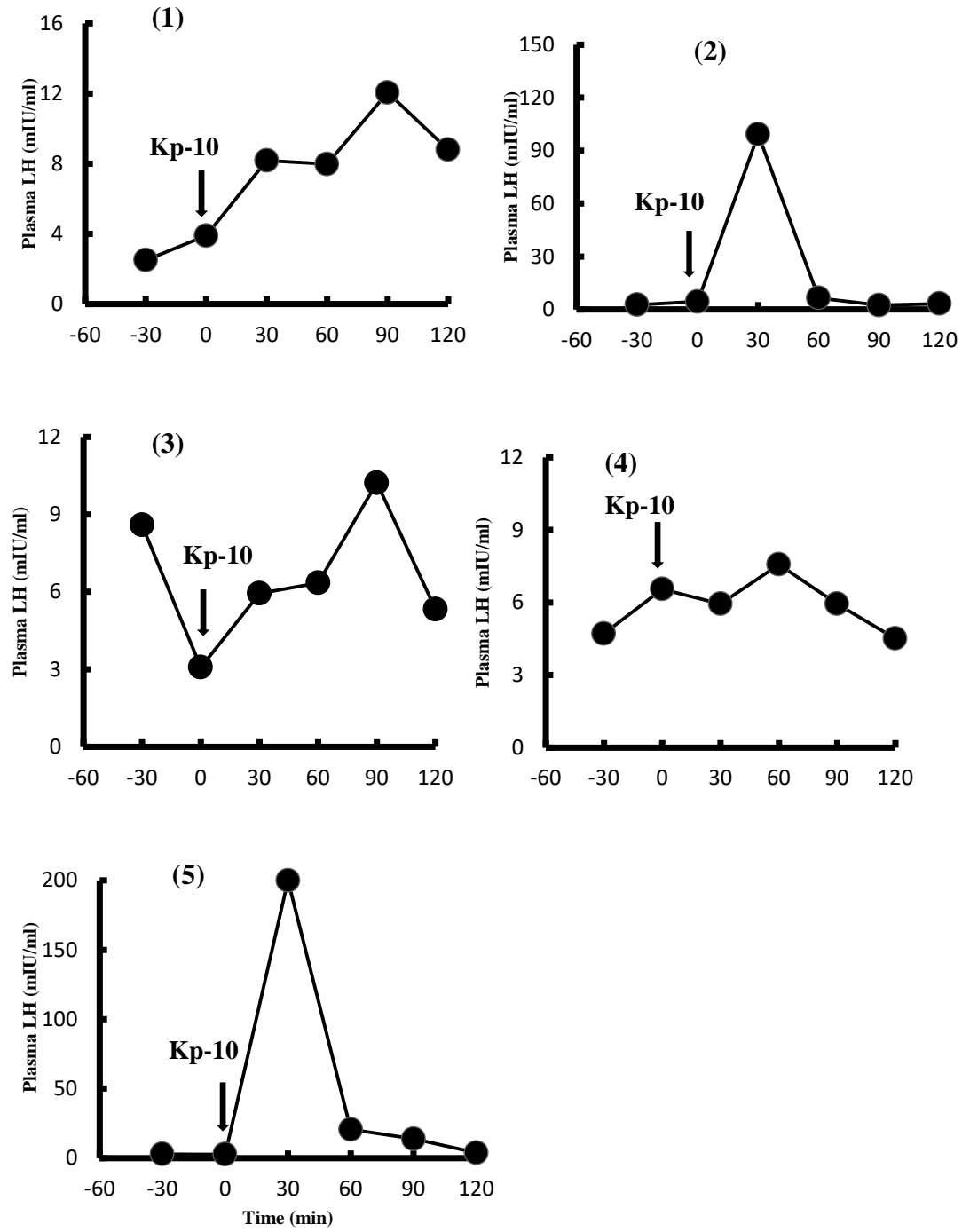


Figure 21: Plasma LH concentration before and after administration of kisspeptin-10 (single iv bolus; ↓) in individual adult men (1-5).

Plasma Testosterone levels in adult men at different time points

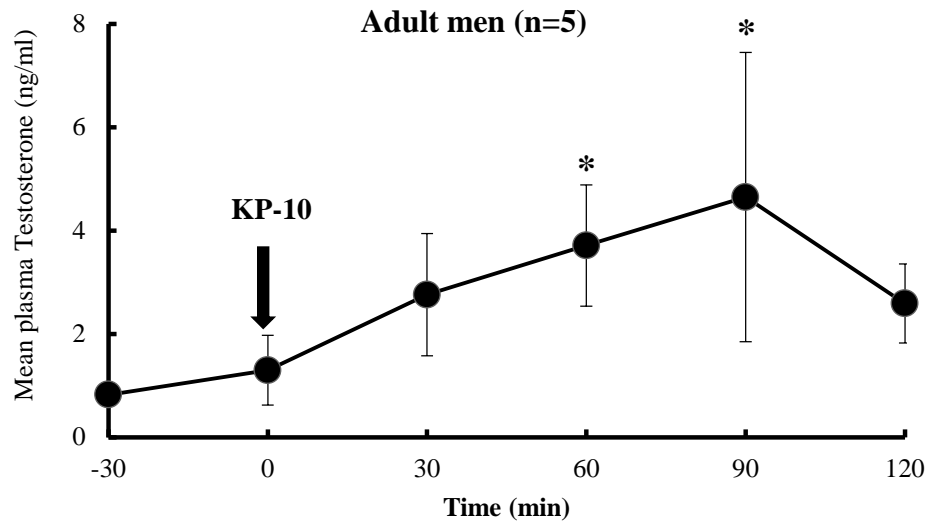


Figure 22: Mean \pm SEM plasma testosterone concentrations before and after administration of kisspeptin-10 (single iv bolus; \downarrow) in adult men (n=5). One-way ANOVA with repeated measures on log transformed data showed significant variation in testosterone levels at different times (*P<0.05 vs 0 min).

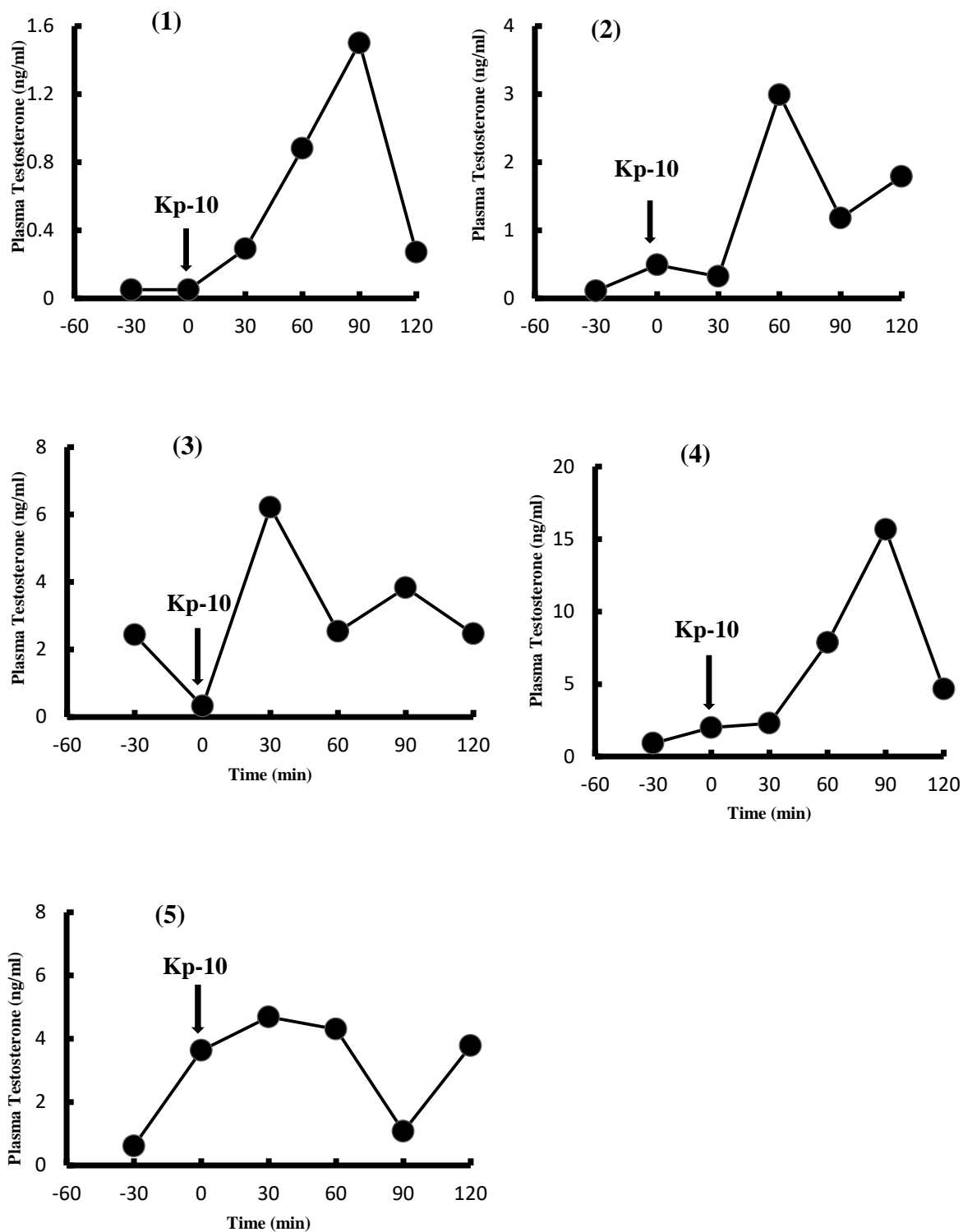


Figure 23: Plasma testosterone concentration before and after administration of kisspeptin-10 (single iv bolus; ↓) in individual adult men (1-5).