**Figure 1**

**A** Urine output (ml/min): *Patients* (black solid line) and *Controls* (black dashed line) during the infusion phase. The figure shows a significant decrease in urine output over time, with a p-value of the GLM-RM test of less than 0.001.

**B** Urine osmolality (mosm/kg): *Patients* (black solid line) and *Controls* (black dashed line) during the infusion phase. The figure shows a significant increase in urine osmolality over time, with a p-value of the GLM-RM test of less than 0.0001.

**C** Urine osmolality (mosm/kg): *Patients* (black solid line) and *Controls* (black dashed line) during the infusion phase. The figure shows a significant increase in urine osmolality over time, with a p-value of the GLM-RM test of less than 0.0001.

**D** $^{51}$Cr-EDTA-clearance (ml/min/1.73 m²): *Patients* (black solid line) and *Controls* (black dashed line) during the infusion phase. The figure shows a significant decrease in $^{51}$Cr-EDTA-clearance over time, with a p-value of the GLM-RM test of less than 0.009.

**E** FEK (%): *Patients* (black solid line) and *Controls* (black dashed line) during the infusion phase. The figure shows a significant decrease in FEK over time, with a p-value of the GLM-RM test of less than 0.0001.

**F** FEK (%): *Patients* (black solid line) and *Controls* (black dashed line) during the infusion phase. The figure shows a significant decrease in FEK over time, with a p-value of the GLM-RM test of less than 0.0001.