**Supplemental Figure 1:** Cosinor model for concentration (mmol/L) of urinary excretion (sodium, potassium, and creatinine) and urine volume (mL) for 85 participants stratified by sex. A cosinor model fitted to concentration (mmol/L) of urinary sodium (A), potassium (B), and creatinine (C) excretion, and urine volume (D) of 33 men (green line) and 52 women (red line). Light gray bars upper x-axis represent the duration from 20:00 to 24:00 and the dark bar shows the nocturnal period from 0:00 to 6:00.

**Supplemental Figure 2:** The tendency of urinary excretion sodium, potassium, and creatinine excretion per hour (mg/h) in consecutive 24-h for 85 participants stratified by sex. Box plots were depicted to urinary sodium (A), potassium (B), and creatinine (C) excretion per hour (mg/h) of 33 men (green box) and 52 women (red box).
**Supplement Figure 3:** Cosinor analysis for 100 participants. A cosinor model fitted to urinary sodium (A), potassium (B), and creatinine (C) excretion (mg) and concentration (mmol/L) of sodium (D), potassium (E), and creatinine (F), and urine volume (G) of 42 men (green line) and 58 women (red line). Light gray bars upper x-axis represent the duration from 20:00 to 24:00 and the dark bar shows the nocturnal period from 0:00 to 6:00.

**Supplement Figure 4:** Urinary excretion per hour in 8 durations for 100 participants. Box plots were depicted to urinary sodium (A), potassium (B), and creatinine (C)
excretion per hour (mg/h) of 42 men (green box) and 58 women (red box). ADU: After dinner urine; ANU: Afternoon urine; BBU: Before bed urine; BDU: Before dinner urine; BNU: Before noon urine; NU: Noon urine; OU: Overnight urine; SMU: Second-morning urine.

**Supplement Figure 4:** Urinary excretion per hour in 8 durations for 100 participants.

**Supplement Figure 5:** Urinary excretion per hour in consecutive 24-h for 100 participants. Box plots were depicted to urinary sodium (A), potassium (B), and creatinine (C) excretion per hour (mg/h) of 42 men (green box) and 58 women (red box).