Appendix H. Table 5. Followup urine biochemical measures for magnesium trials

| **Study** | **Treatment Groups, Urine Collection Method** | **Calcium,**  **Oxalate,**  **Ca-Ox Product,**  **Ca-Ox Supersaturation** | **Uric Acid, Uric-A Supersaturation** | **Phosphate, Ca-P Supersaturation** | **Citrate, Sodium, Magnesium** | **Potassium (K), Volume, pH** |
| --- | --- | --- | --- | --- | --- | --- |
| Ettinger, 198812 | A. Chlorthalidone 25 mg/d (n=19)  B. Chlorthalidone 50 mg/d (n=23)  C. Magnesium hydroxide 650 mg/d (n=30)  D. Magnesium hydroxide 1300 mg/d (n=21)  E. Placebo (n=31)  24 hour collection  Study reported any data on participant compliance/adherence: Yes (medication compliance confirmed by tablet count – no results reported) | CALCIUM  Baseline  Mean mg/24 hr(SD):  A (n=19) 271 (125)  B (n=23) 299 (138)  C (n=30) 275 (127)  D (n=21) 247 (136)  E (n=31) 232 (117)  % hyperCa:  A (n=19) 15.8  B (n=23) 13.0  C (n=30) 13.3  D (n=21) 14.3  E (n=31) 9.7  F/u Time 1: 24 mo.  Mean (SD):  A (n=19) 196 [p<0.01]  B (n=23) 233 [p<0.01]  C (n=30) no signif change  D (n=21) no signif change  E (n=31) no signif change  % hyperCa: NR | URIC ACID  Baseline  Mean mg/24 hr(SD):  A (n=19) 768 (207)  B (n=23) 826 (206)  C (n=30) 837 (257)  D (n=21) 734 (181)  E (n=31) 699 (210)  % hyperUA:  A (n=19) 21.1  B (n=23) 26.1  C (n=30) 6.7  D (n=21) 9.5  E (n=31) 9.7  F/u Time 1: mo.  Mean mg/24 hr(SD):  All groups- no signif change  % hyperUA: NR  URIC-A SUPERSAT  Baseline  Mean (SD): NR  F/u Time 1: mo.  Mean (SD): NR | PHOSPHATE  Baseline  N  Mean (SD): NR  % hyperP: NR  F/u Time 1: mo.  N  Mean (SD): NR  % hyperP: NR  CA-P SUPERSAT  Baseline  N  Mean (SD): NR  F/u Time 1: mo.  N  Mean (SD): NR | CITRATE  Baseline  N  Mean (SD): NR  % hypoCit: NR  F/u Time 1: mo.  N  Mean (SD): NR  % hypoCit: NR  SODIUM  Baseline  N  Mean (SD): NR  % hyperNa: NR  F/u Time 1: mo.  N  Mean (SD): NR  % hyperNa: NR  MAGNESIUM  Baseline  Mean mg/24 hr(SD):  A (n=19) 93 (33)  B (n=23) 97 (38)  C (n=30) 91 (27)  D (n=21) 97 (27)  E (n=31) 95 (45)  % hypoMg: NR | POTASSIUM  Baseline  N  Mean (SD): NR  % hypoK: NR  F/u Time 1: mo.  N  Mean (SD): NR  % hypoK: NR  VOLUME  Baseline  Mean mL/24 hr(SD):  A (n=19) 1744 (720)  B (n=23) 1671 (690)  C (n=30) 1894 (814)  D (n=21) 1579 (675)  E (n=31) 1482 (671)  F/u Time 1: 24 mo.  Mean mL/24 hr(SD):  All groups- no signif change  pH  Baseline  N  Mean (SD): NR |

Appendix H. Table 5. Followup urine biochemical measures for magnesium trials (continued)

| **Study** | **Treatment Groups, Urine Collection Method** | **Calcium,**  **Oxalate,**  **Ca-Ox Product,**  **Ca-Ox Supersaturation** | **Uric Acid, Uric-A Supersaturation** | **Phosphate, Ca-P Supersaturation** | **Citrate, Sodium, Magnesium** | **Potassium (K), Volume, pH** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | OXALATE  Baseline  Mean mg/24 hr(SD):  A (n=19) 21 (16)  B (n=23) 19 (12)  C (n=30) 29 (19)  D (n=21) 28 (19)  E (n=31) 23 (15)  % hyperOx: NR  F/u Time 1: 24 mo.  Mean mg/24 hr(SD):  A (n=19) 8 [p<0.05]  B (n=23) 14 [not signif]  C (n=30) no signif change  D (n=21) no signif change  E (n=31) no signif change    % hyperOx: NR  CA-OX PRODUCT  Baseline  N  Mean (SD): NR  Time 1: mo.  N  Mean (SD): NR  CA-OX SUPERSAT  Baseline  N  Mean (SD): NR  Time 1: mo.  N  Mean (SD): NR |  |  | F/u Time 1: 24 mo.  Mean mg/24 hr(SD):  A (n=19) no signif change  B (n=23) no signif change  C (n=30) 137 [p<0.001]  D (n=21) 148 [p<0.001]  E (n=31) no signif change  % hypoMg: NR | pH  Baseline  N  Mean (SD): NR  F/u Time 1: mo.  N Mean (SD): NR |

**Abbreviation:** NR = not reported