FT-IR Spectroscopy Analysis of Kidney Stone Variability in Styria

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Supplementary Information

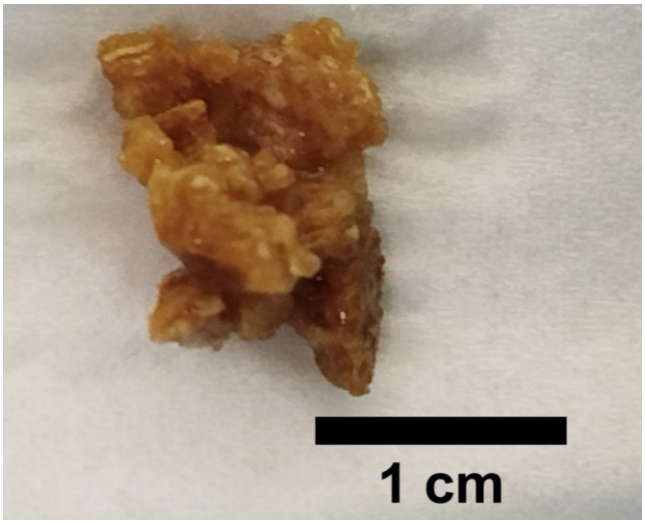


Figure S1. Optical macroscopic image of calcium oxalate stones.

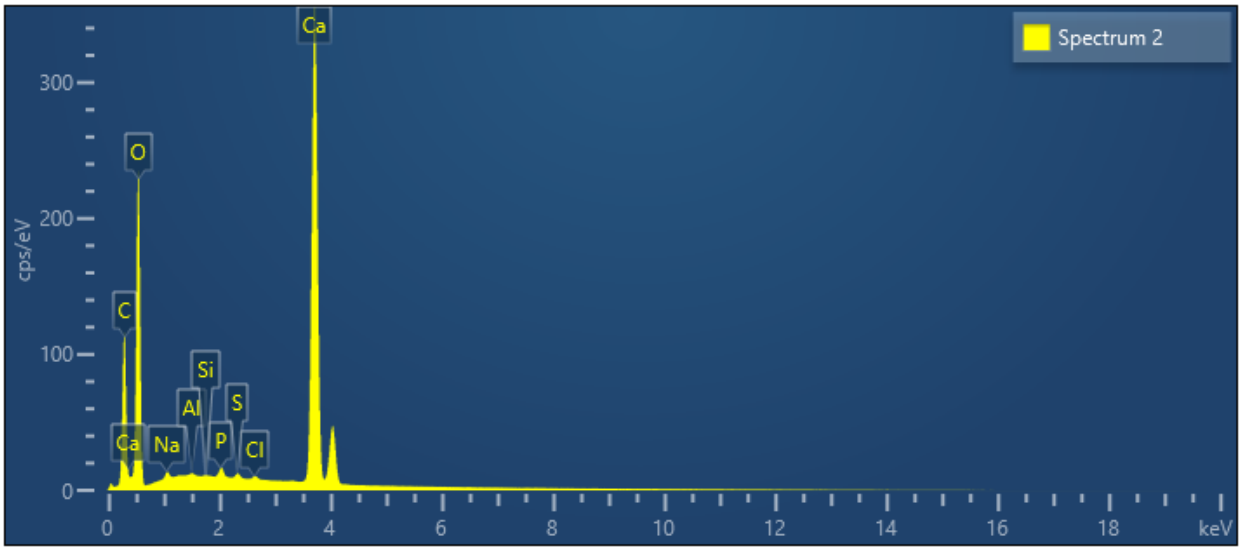


Figure S2. EDX of calcium oxalate stones.

Table S1. EDX of calcium oxalate stones.

Spectrum 2				
Element	**Line Type**	**Weight %**	**Weight % Sigma**	**Atomic %**
C	K series	27.34	0.07	37.25
O	K series	53.55	0.07	54.77
Na	K series	0.36	0.01	0.26
P	K series	0.24	0.00	0.13
Ca	K series	18.19	0.03	7.43
Cl	K series	0.10	0.00	0.04
S	K series	0.12	0.00	0.06
Al	K series	0.06	0.00	0.04
Si	K series	0.02	0.00	0.01
Total		100.00		100.00

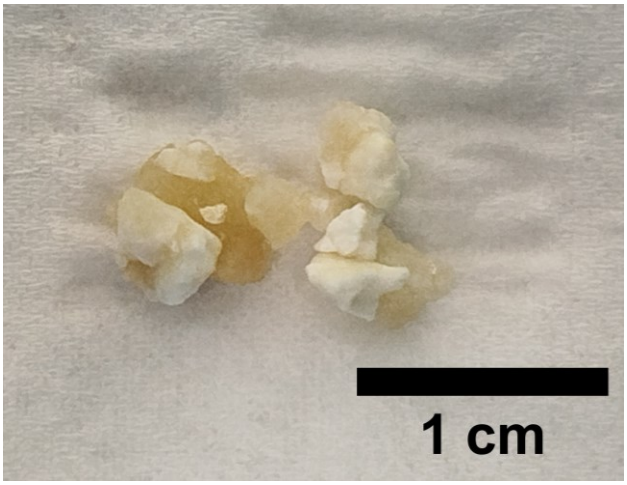


Figure S3. Optical macroscopic image of hydroxyapatite (calcium phosphate) stones.

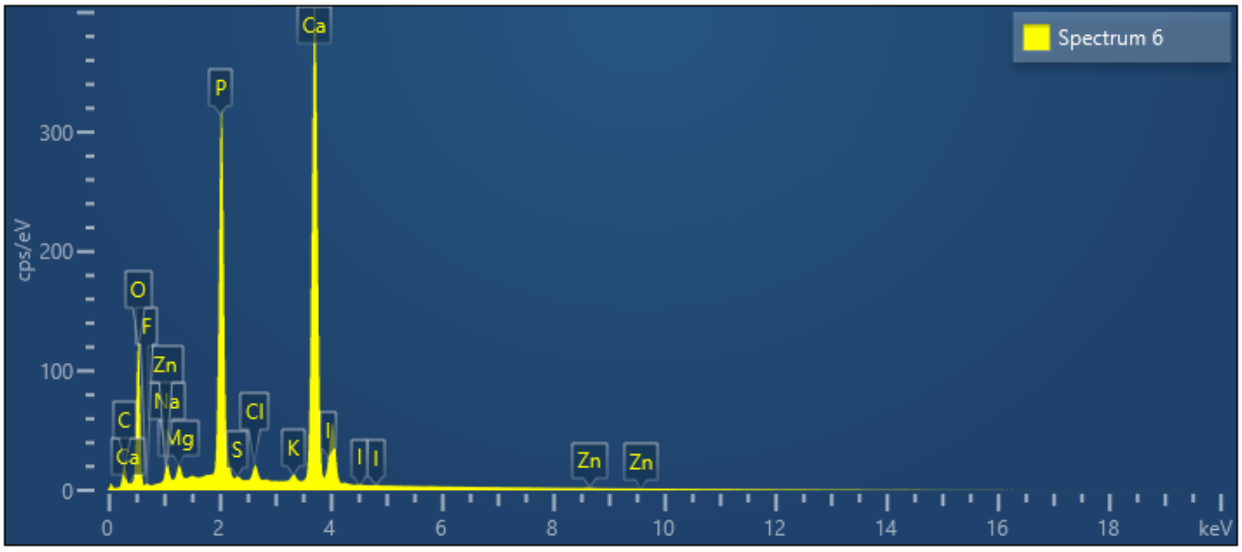


Figure S4. EDX of hydroxyapatite (calcium phosphate) stones.

Table S2. EDX of hydroxyapatite (calcium phosphate) stones.

Spectrum 6				
Element	**Line Type**	**Weight %**	**Weight % Sigma**	**Atomic %**
C	K series	12.65	0.29	21.23
O	K series	42.06	0.15	53.02
Na	K series	1.23	0.02	1.08
Mg	K series	0.73	0.01	0.60
P	K series	13.30	0.05	8.66
Cl	K series	0.67	0.01	0.38
K	K series	0.35	0.01	0.18

Ca	K series	26.90	0.10	13.54
I	L series	0.85	0.03	0.13
S	K series	0.17	0.01	0.11
F	K series	0.96	0.04	1.02
Zn	K series	0.14	0.02	0.04
Total		100.00		100.00

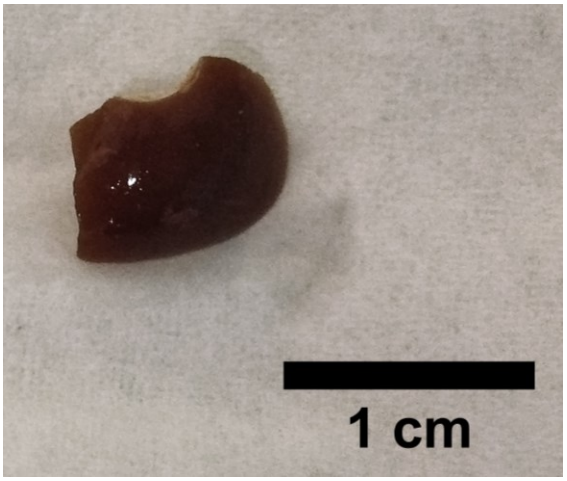


Figure S5. Optical macroscopic image of brushite stones..

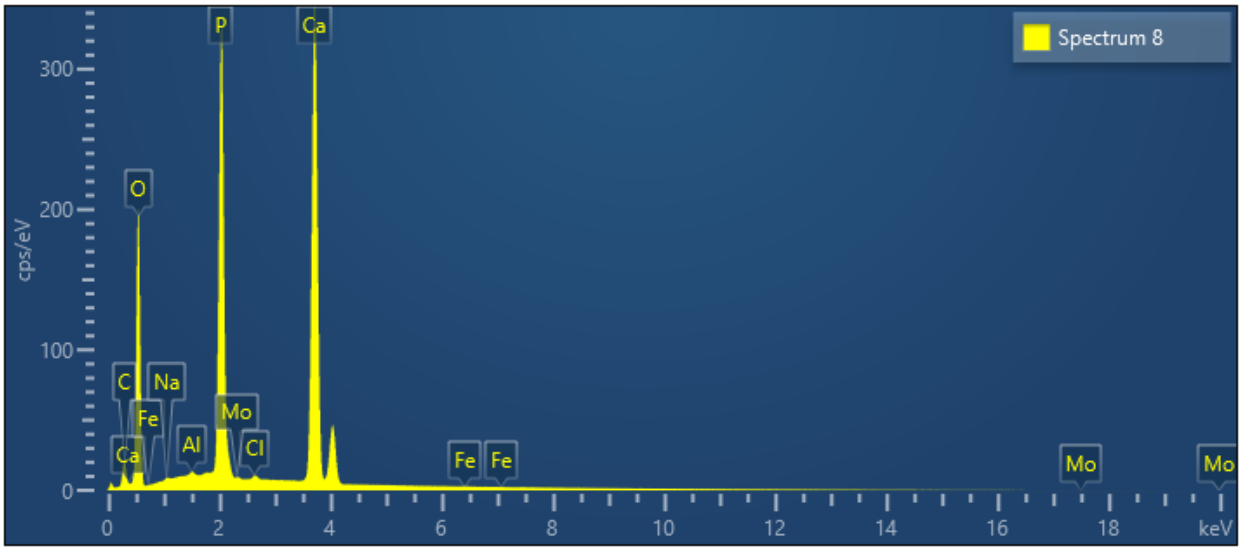


Figure S6. EDX of brushite (calcium phosphate) stones.

Table S3. EDX of brushite (calcium phosphate) stones.

Spectrum 8				
Element	**Line Type**	**Weight %**	**Weight % Sigma**	**Atomic %**
C	K series	12.30	0.16	19.35
O	K series	52.94	0.11	62.49
P	K series	12.77	0.03	7.79
Cl	K series	0.13	0.01	0.07
Ca	K series	21.31	0.05	10.04
Na	K series	0.13	0.01	0.11
Fe	K series	0.04	0.01	0.01
Al	K series	0.13	0.01	0.09
Mo	L series	0.24	0.02	0.05
Total		100.00		100.00

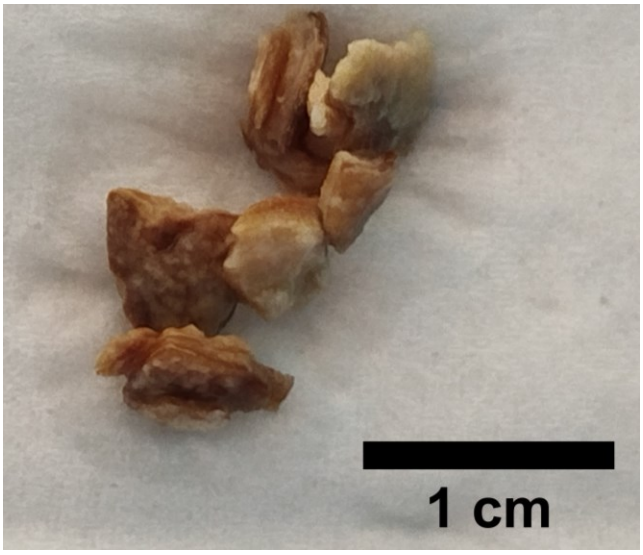


Figure S7. Optical macroscopic image of struvite (magnesium ammonium phosphate) stones.

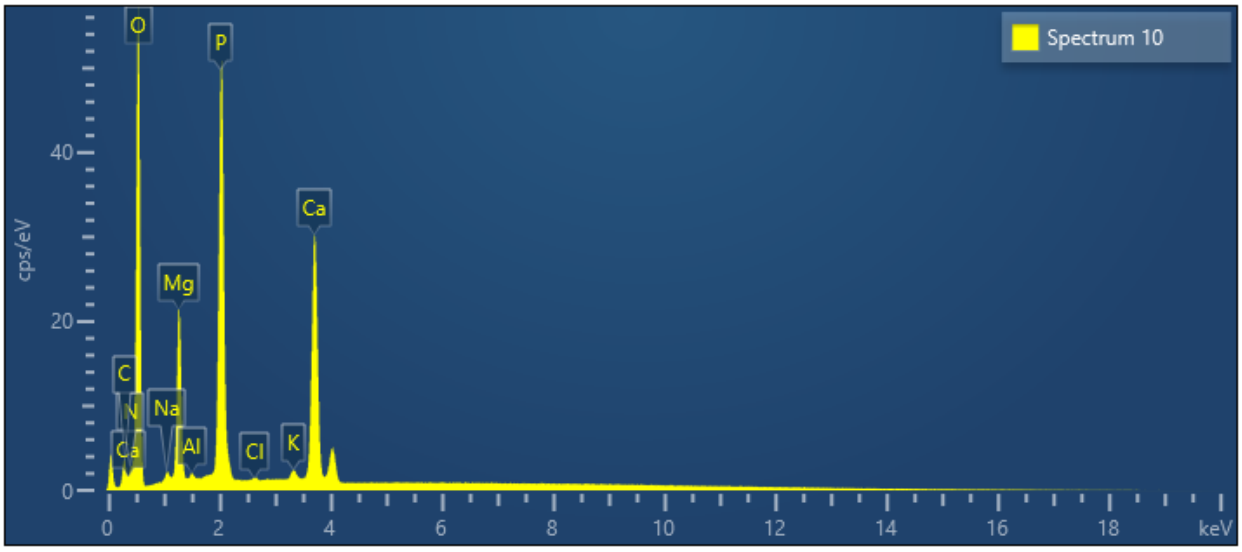


Figure S8. EDX of struvite (magnesium ammonium phosphate) stones.

Table S4. EDX of struvite (magnesium ammonium phosphate) stones.

Spectrum 10				
Element	**Line Type**	**Weight %**	**Weight % Sigma**	**Atomic %**
O	K series	58.34	0.60	64.66
Mg	K series	5.83	0.07	4.25
P	K series	11.03	0.12	6.31
Ca	K series	9.81	0.11	4.34
Na	K series	0.44	0.03	0.34
K	K series	0.33	0.02	0.15
Al	K series	0.16	0.01	0.11
C	K series	9.94	0.80	14.68
N	K series	4.04	0.47	5.11
Cl	K series	0.09	0.01	0.05
Total		100.00		100.00

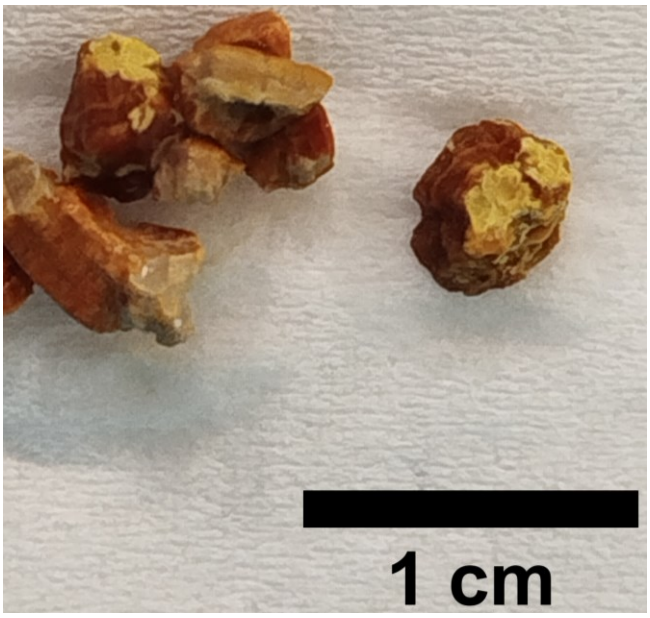


Figure S9. Macroscopic optical image of urate stone.

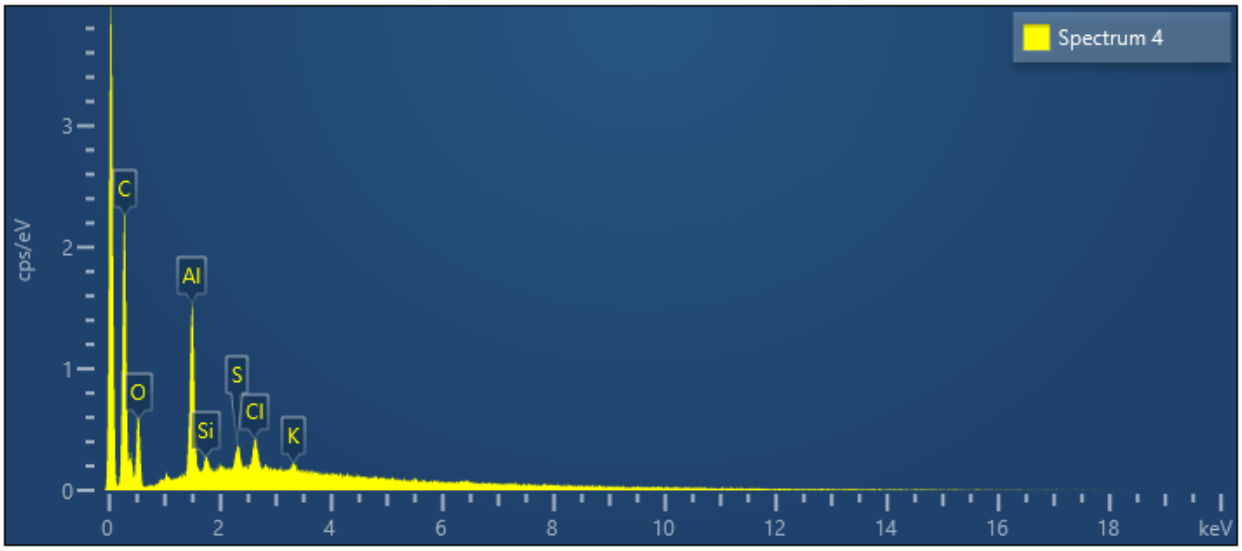


Figure S10. EDX of urate stones.

Table S5. EDX of urate stones.

Spectrum 4				
Element	**Line Type**	**Weight %**	**Weight % Sigma**	**Atomic %**
C	K series	67.94	1.25	76.36
O	K series	22.99	0.98	19.40
Al	K series	5.94	0.24	2.97

Cl	K series	1.29	0.09	0.49
S	K series	0.94	0.08	0.39
Si	K series	0.52	0.06	0.25
K	K series	0.38	0.08	0.13
Total		100.00		100.00