

# Supplementary data: Metabolic evaluation guidelines in patients with nephrolithiasis: Are they being followed? Results of a national, multi-institutional quality assessment study

Sabrina S. Harmouch, MD<sup>1</sup>; Hiba Abou-Haidar, MD<sup>1</sup>; Hassan ElHawary, MD<sup>2</sup>; Thomas Grgic, MD<sup>3</sup>; Andrea G. Lantz, MD<sup>4</sup>; Jason Y. Lee, MD<sup>5</sup>; Ben H. Chew, MD<sup>3</sup>; Sero Andonian, MD<sup>2</sup>; Naeem Bhojani, MD<sup>1</sup>

<sup>1</sup>Division of Urology, University of Montreal Health Centre, Montreal, QC; <sup>2</sup>Division of Urology, McGill University, Montreal, QC; <sup>3</sup>Department of Urologic Sciences, University of British Columbia, Vancouver, BC; <sup>4</sup>Department of Urology, Dalhousie University, Halifax, NS; <sup>5</sup>Division of Urology, University of Toronto, Toronto, ON; Canada

## Appendix 1. Metabolic screening questionnaire

Age: \_\_\_\_\_ Sex: \_\_\_\_\_

Referring Urologist: \_\_\_\_\_ Date of Last Appointment: \_\_\_\_\_

1. Please tick the following boxes if they were applicable to you during your last kidney stone related urology appointment:

- You had multiple stones in either one or both kidneys
- You and your urologist knew that your kidney stones were non-calcium (for example: Uric Acid or cystine stones)
  - If so, which type of stone? \_\_\_\_\_
- You had a known family history of stones
  - If so, which family member? \_\_\_\_\_
- You had either a single kidney or chronic kidney disease
- You had a kidney that did not function at full capacity
- You had a kidney stone while **pregnant**
- You had/have a systemic disease such as gout, irritable bowel disease, inflammatory bowel disease or distal renal tubular acidosis
- Prior to your last appointment, you had part of your intestine removed or had bariatric surgery
- You were one of the following occupations: airline pilot, sailor, military personnel, fireman or policeman
  - If so, which occupation? \_\_\_\_\_

2. Has the cause of your kidney stone formation (for example: dietary or genetic component) been identified and explained to you by your urologist? Yes  No   
 • If so, what is the cause: \_\_\_\_\_

3. Would you be interested in knowing more about your stone disease? Yes  No

4. Would you be interested in following a diet or taking medications to prevent future stone events?  
 Yes  No

5. Have you ever had a *metabolic work up* where you collected your urine **over a period of at least 24 hours** and then had it analyzed in a lab? (This is different from a one-time urine collection) Yes  No

**If you responded "yes" to question #5 please continue the survey, otherwise thank you for time!**

6. Who recommended the metabolic work up (the 24-hour urine collection)?

- Urologist
- Nephrologist
- Family Doctor
- Other \_\_\_\_\_

7. When was this metabolic work up (24-hour urine collection) done?

- Within the last year
- Between 1–5 years ago
- Between 5–10 years ago
- More than 10 years ago

8. Did your doctor explain the results of the study to you? Yes  No

• If you picked "yes" did you understand what the doctor told you? Yes  No