Introduction

The prevalence and disease burden of gout and hyperuricaemia are rising globally. The prevalence of hyperuricaemia in India was 44.6% according to the study published in 2012, which was reduced to 25.8% in 2018. In other epidemiological study, the annual incidence of urolithiasis was 0.3% in patients with asymptomatic hyperuricaemia and 0.9% in patients with hyperuricaemia and gout.

Gout is a common condition managed with conventional treatment approaches including management of the inflammatory pain associated with flares, urate-lowering therapies and patient education. However, patients can be benefited more if treatment paradigm shifts further towards active management of hyperuricaemia as it has also been implicated as an indicator for diseases such as metabolic syndrome, diabetes mellitus, cardiovascular disease and chronic renal disease.

The goal of treatment is to reduce the body’s total uric acid pool and consequently, to reduce the complications. At present, available drugs, including allopurinol and febuxostat, may have significant adverse effects such as hypersensitivity drug reactions, and they are now not indicated for broad use in many hyperuricaemia-related diseases also.

Homoeopathic literature enlists many medicines for gout or hyperuricaemia such as Colchicum, Benzoic acid, Ledum palustre and Lithium benzoicum. Among the published evidence based studies on gout only four preclinical studies, five clinical trials and two case reports could be found which shows promising results in reduction of serum uric acid.

Homoeopathic treatment has shown favourable results in this case and demonstrates the scope of Homoeopathy in such cases.

Case Summary: The case presented here reported with the complaint of renal stone secondary to high serum uric acid levels. A single homoeopathic medicine Lycopodium was prescribed after thorough case taking which led to improvement in subjective symptoms and objectively reflecting in gradually decreasing levels of serum uric acid after elimination of stone. During the course of treatment, old symptoms also re-appeared depicting improvement in accordance with Hering’s law of cure. The Modified Naranjo Criteria score after treatment was 8, which explicitly shows the positive causal attribution of the individualised homoeopathic medicine Lycopodium in this case. Homoeopathic treatment has shown favourable results in this case and demonstrates the scope of Homoeopathy in such cases.

Keywords: Homoeopathy, Hyperuricaemia, Lycopodium, Nephrolithiasis, Uric acid
the effectiveness of Homoeopathy for the treatment of hyperuricaemia and its associated conditions, following the basic principles of Homoeopathy.

**Patient Information**

A 51-year-old, lean, thin man reported in the Outpatient

**Figure 1: Repertory sheet**

**Patient History**

- Case taking, analysis & evaluation of symptoms followed by repertorization done.
- Medicine prescribed on the basis of repertorial analysis.
- Lycopodium 30/1 dose prescribed.
- Stone expelled. Burning after defecation relieved, no bloating/flatulence, burning micturition ++, pain in right groin disappeared.
- Placebo prescribed.
- S. Uric acid: 8.8mg/dl (17.06.19)
- S. Uric acid, USG-KUB region and urine examination advised.
- Ineffectual urging for stools still remained same.
- Placebo prescribed.
- S. Uric acid advised.
- Ineffectual urging for stools was much better this time. No new complaint observed.
- Placebo prescribed.
- No change in any symptom.
- S. Uric acid advised.
- Lycopodium 200/1 dose prescribed.
- No further improvement.
- Case came to a standstill condition.
- Lycopodium 1M/1 dose prescribed.
- S. uric acid: 7.2 mg/dl (23.08.19);
- Urine examination: Calcium oxalate (+++).
- USG: no abnormality.
- Case came to a standstill condition.
- Lycopodium 1M/1 dose prescribed.
- S. uric acid: 6.2 mg/dl (13.10.19)
- Old symptoms reappeared.
- Patient improving.
- Placebo prescribed.

**Final Outcome (21/11/2019)**

- Eruptions of hands disappeared.
- S. Uric acid within normal range.
- Patient had no other complaint.
- Complete restoration of health in duration of approx. six months.

**Figure 2: Timeline**
Department of Regional Research Institute for Homoeopathy, Agartala on 6 June, 2019, with a complaint of on and off cramping pain in the right groin and burning during micturition in the past 2 weeks with uninterrupted – clear urine flow. The patient was a known case of renal calculi with a history of right-sided renal colic twice in the past 4 months for which he underwent few investigations on physician’s advice and took conventional treatment also with temporary relief.

The patient did not suffer from any other major illness in the past, except from some gastric disturbances. Family history was not significant.

<table>
<thead>
<tr>
<th>Table 1: Follow-up and Outcomes</th>
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<tbody>
<tr>
<td>Date</td>
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<tr>
<td>---------</td>
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<tr>
<td>June 17, 2019</td>
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<td>July 1, 2019</td>
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<td>July 11, 2019</td>
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<td>August 8, 2019</td>
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<td>September 2, 2019</td>
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<td>September 30, 2019</td>
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<td>October 14, 2019</td>
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<td>November 21, 2019</td>
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+++: abundant USG-KUB: Ultrasound-kidneys, ureters and bladder

<table>
<thead>
<tr>
<th>Table 2: Assessment by Modified Naranjo criteria score</th>
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<tbody>
<tr>
<td>Item</td>
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<tr>
<td>Was there an improvement in the main symptom or condition for which the homoeopathic medicine was prescribed?</td>
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<tr>
<td>Did the clinical improvement occur within a plausible time frame relative to the drug intake?</td>
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<tr>
<td>Was there an initial aggravation of symptom?</td>
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<tr>
<td>Did the effect encompass more than the main symptom or condition, that is, were other symptoms ultimately improved or changed?</td>
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<tr>
<td>Did overall well-being improve?</td>
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<tr>
<td>Direction of cure: Did some symptoms improve in the opposite order of the development of symptoms of the disease?</td>
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<tr>
<td>Direction of cure: Did at least two of the following aspects apply to the order of improvement of symptoms</td>
</tr>
<tr>
<td>From organs of more importance to those of less importance</td>
</tr>
<tr>
<td>From deeper to more superficial aspects of the individual</td>
</tr>
<tr>
<td>Did old symptoms (defined as non-seasonal and non-cyclical that were previously thought to have resolved) reappear temporarily during the course of improvement?</td>
</tr>
<tr>
<td>Are there alternate causes (other than the medicine) that with a high probability - could have caused the improvement? (consider known course of disease, other forms of treatment and other clinically relevant intervention)</td>
</tr>
<tr>
<td>Was the health improvement confirmed by any objective evidence? (e.g., laboratory test, clinical observation, etc.)</td>
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<tr>
<td>Did repeat dosing, if conducted, create similar clinical improvement?</td>
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<tr>
<td>Total</td>
</tr>
</tbody>
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N/A: Not available
The patient was a Government employee belonging to a middle-class socioeconomic group. He consumed alcohol occasionally.

**Mental generals**
The patient was very well behaved. During childhood, he was average in studies, and although he had limited friends, he interacted with everyone. He felt anxious before starting new work but performed well once he started. He had cordial relations with all his work colleagues. He disliked being alone at home, though he did not interact with his children much. He was forgetful, forgot things after keeping them and had marked habit of forgetting his usual road directions. Very often, he used to forget the way back home while returning from school. His mother had to accompany him for this reason. This was also seen during the college life and continued infrequently. He was married for 24 years and had three children. His relations with wife were good, except sometimes when he was tensed.

**Physical generals**
The patient had a thermal reaction towards hot, wore minimal woolens during winter and bathed with cold water throughout the winters. His appetite was good and he always preferred warm food. He had the desire for sweet and spicy things with moderate thirst. There was constipation in the past 4–5 years with ineffectual urging for stools, had to go 3–4 times a day. It was often accompanied by burning pain during and after defecation for last few days, which remained for 10–15 min. He was prone to have gastric disturbances with bloating of the abdomen 2–3 times/week, mostly towards evening in the past 2–3 years. He passed urine 4–5 times a day with burning during micturition for 2 weeks. He perspired moderately. Sleep was usually adequate, refreshing with non-specific sleep posture and dreams.

**Clinical findings**
Blood pressure was normal. Nothing abnormal was detected except for a mild deep tenderness in the right groin area. Pulse rate was 74/min; he was afebrile and weighed 64 Kg.

**Diagnostic assessment**
The patient was already a diagnosed case of hyperuricaemia, and serum uric acid was tested again to know about the present status. His investigations revealed following significant findings:

- Serum uric acid was 8.0 mg% (21 May 2019).
- Urine examination revealed 8–10 red blood cell/s/ high power field (HPF) and trace proteins (25 April 2019).
- Ultrasonography – kidney, ureter and bladder was suggestive of right renal tiny echogenic foci (0.28 cm) near lower pole probably renal calculus (1 February, 2019).

On further enquiry, the patient reported of having occasional pain in small joints of feet although there was no history of an acute gout episode.

**Therapeutic intervention**
Detailed case taking was done as per Hahnemannian guidelines of case taking given in *Organon of Medicine* followed by analysis and evaluation of the symptoms. Totality of symptoms was erected, and repertorisation was done taking into account only the most striking mental generals, physical generals and uncommon particulars using Kent’s repertory in RADAR 10.5. Repertorisation result is shown in Figure 1. Following symptoms were considered for repertorisation:

1. Feels anxious before starting new work
2. Dislikes being alone
3. Habit of forgetting the streets
4. Prefers warm food
5. Desire for sweets
6. Desire for spicy things
7. Constipated with ineffectual urging for stools
8. Flatulence in evening.

After repertorisation, the top medicines were *Lycopodium, Nux vom, Merc.Sol, Pulsatilla* and *Sepia*. After carefully analysing the mental and physical generals of patient, considering the repertorial result, and referring back to homoeopathic materia medica similimum was prescribed. The patient was hot and *Lycopodium* has uric acid diathesis which further confirmed the selection of medicine. Individualised homoeopathic treatment was started with single dose of *Lycopodium 30* followed by placebo following the law of minimum dose. Medicine was not repeated as long as the improvement in symptoms of the patient continued. During follow-up, changes in the signs and symptoms were assessed and serum uric acid was advised from time to time. Case was psoro-sycotic in nature pertaining to the nature of disease condition i.e., accumulation within the body. The patient was instructed to take plenty of water and limit the intake of all non-vegetarian and purine-rich food, although the patient informed that he took non-vegetarian foods only occasionally.

First prescription (06 June, 2019): *Lycopodium 30/1* dose was prescribed on the basis of repertorial analysis.

**Follow-up and outcomes**
Follow-up of the patient was assessed regularly as required. Date-wise detailed follow-ups with result in investigations are summarised in Table 1. Figure 2 gives the timeline of the case.

In this case, the total score of outcome as per Modified Naranjo Criteria score after treatment was 8, which is close to the
total score of 13, and explicitly shows the positive causal attribution of the individualised homoeopathic medicine *Lycopodium* [Table 2].

Improvement in the patient started immediately after medicine in appropriate potency was given to patient. Improvement was subjective in terms of relief in overall sign and symptoms such as burning during defecation disappeared completely, marked reduction in bloating and flatulence, as well as objective as evident by expulsion of calculi [Figure 3] within few days followed by gradual decline of serum uric acid levels from 8.8 mg% to 6.2 mg%.

No adverse events were reported during the whole duration of treatment.

**Discussion**

Homoeopathy is a system of medicine which embraces a holistic approach in the treatment of sick. In Homoeopathy, detailed case taking is done to elucidate the constitutional makeup of the patient and a single remedy is selected on the basis of totality of symptoms.

At the first instance, the present case appeared to be a simple case of renal calculus. However, upon carefully exploring the history, hyperuricaemia was revealed as the cause behind stone formation i.e., alteration of purine metabolism. After considering the totality of symptoms, homoeopathic medicine *Lycopodium* was selected as similimum. When prescribed in appropriate dose, it resulted in healing in the reverse order of appearance of symptoms. A single remedy took care of both, the manifestation (renal calculi) and causation (hyperuricaemia) by re-establishing the homoeostasis in purine metabolism which was manifested in gradually decreasing serum uric acid levels after expulsion of stone and thus preventing reformation of stone and probably other comorbidities also.

Improvement in other unassociated symptoms was also observed during the course of treatment. Homoeopathy treatment is very commonly sought when patients see no hope in conventional system of medicine, which is generally towards the terminal stages of incurable diseases. This case report as an evidence in preclinical condition highlights the use of Homoeopathy right from the beginning of disease.

Here, our case differs from another case report where antisyctotic drug was prescribed in the beginning of case to get the clearer picture because the case was one sided. It was followed by change of medicine on basis of repertorisation with intercurrent and acute prescription when needed. While, in our case, totality of symptoms was very clear right from the beginning, and as continuous improvement was observed, change of medicine was not required, and a single remedy completed the cure which was similar to another case report. This is due to different presentations of the cases.

Clinical outcomes are very frequently assessed by homoeopathic physicians using Hering’s law of cure. It suggests that following a homoeopathic constitutional remedy, healing occurs from the head down, inside out, most important to the least important organs and reverse order of symptoms in which they first appeared. But unfortunately, not much scientific reporting could be found depicting this law in clinical trials, except for a study on 35 patients of rheumatoid arthritis where ‘healing from centre to periphery’ was the most commonly reported response and ‘reversal of order of symptoms’ was reported least. The present case is a classical case supporting this law and the same thing is reflected in miasmatic plane also where disappearance of sycotic manifestations was followed by appearance of psoric symptoms.

In the present case, possibility of spontaneous expulsion of stone due to its small size and decline in serum urate levels due to dietary modifications (less intake of purine rich food) could not be ruled out. Other limitation is inability to keep a check on persisting normal serum urate levels through long-term follow-up of case. Although homoeopathic treatment has shown favourable results in this case and undoubtedly thrown some light on scope of Homoeopathy and possible answer in this unexplored area, controlled studies with long-term follow-up and large sample size are required for validation of the effects of the homoeopathic treatment in such cases.

The outcome of interest, in this case, was reduction in serum urate levels and prevention of possible associated complications, which was successfully achieved while adhering to the basic fundamental principles of Homoeopathy.

**Acknowledgement**

The author is grateful to Dr. Anil Khurana, Director General, CCRH, for his constant motivation and guidance in writing evidence based scientific articles. The patient is also acknowledged for his compliance in continued follow-ups.

**Declaration of patient consent**

The author certifies that she has obtained appropriate patient’s consent. In the consent, the patient has given his consent for reporting his clinical information in the journal. The patient understands that his name and initials will not be published and due efforts will be made to conceal his identity, but anonymity cannot be guaranteed.

**Financial support and sponsorship**

Nil.

**Conflicts of interest**

None declared.

**References**

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Introduction: L’hyperuricémie est une concentration sère qu’urate dépassant la limite de solubilité, conduisant à sa précipitation et prédisposant les personnes atteintes à la goutte. L’augmentation du taux d’acide urique dans l’excrétion urinaire peut également entraîner une néphrolithiase. Il a également été impliqué comme indicateur de maladies telles que le syndrome métabolique, le diabète sucré, les maladies cardiovasculaires et les maladies rénales chroniques. Alors que la littérature homéopathique enrôle de nombreux médicaments pour cette condition, il y a peu d’études publiées basées sur des preuves.

Résumé du cas: Le cas présenté ici a été signalé avec la plainte de calculs rénaux secondaires à des taux élevés d’acide urique sérique. Un seul médicament homéopathique Lycopodium a été prescrit après une prise de cas approfondi qui a conduit à une amélioration des symptômes subjectifs et se traduit objectivement par une diminution progressive des taux d’acide urique sérique après élimination des calculs. Au cours du traitement, d’anciens symptômes sont également réapparus, représentant une amélioration conformément à la loi de guérison de Hering. Le score des Critères de Naranjo modifiés après traitement était de 8, ce qui montre explicitement l’attribution causale positive du médicament homéopathique individualisé Lycopodium dans ce cas. Le traitement homéopathique a montré des résultats favorables dans ce cas et démontre la portée de l’homéopathie dans de tels cas.
Ein Fallbericht über Hyperurikämie mit Nephrolithiasis, behandelt mit Homöopathie

Einleitung: Hyperurikämie ist eine Serumuratkonzentration, die die Grenze der Löslichkeit überschreitet, was zu ihrer Ausfällung führt und die Betroffenen zu Gicht veranlasst. Der erhöhte Harnsäurespiegel in der Harnausscheidung kann auch zu Nephrolithiasis führen. Es wurde auch als Indikator für Krankheiten wie metabolisches Syndrom, Diabetes mellitus, Herz-Kreislauf-Erkrankungen und chronische Nierenerkrankungen eingesetzt. Während die homöopathische Literatur viele Medikamente für diesen Zustand anwendet, gibt es wenig evidenzbasierte veröffentlichte Studien.

Fallzusammenfassung: Der hier vorgestellte Fall berichtete über die Beschwerde von Nierenstein aufgrund hoher Serumharnsäurespiegel. Ein einziges homöopathisches Arzneimittel Lycopodium wurde nach gründlicher Einzelfallaufnahme verschrieben, was zu einer Verbesserung der subjektiven Symptome führte und objektiv zu einer allmählichen Abnahme der Serumurinsäurespiegel nach Beseitigung des Steins führte. Im Verlauf der Behandlung traten auch alte Symptome wieder auf, die eine Verbesserung gemäß Herings Heilgesetz darstellten. Der modifizierte Naranjo-Kriterienwert nach der Behandlung betrug 8, was die positive kausale Zuordnung des individualisierten homöopathischen Arzneimittels Lycopodium in diesem Fall eindeutig explizit zeigt. Die homöopathische Behandlung hat in diesem Fall günstige Ergebnisse gezeigt und zeigt den Umfang der Homöopathie in solchen Fällen.