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Abstract  
Phytotherapy play an important role in the management of urolithiasis all over the world. The objectives of the study were to find the preference of one of the therapy regime used by the urologists in Hawler city and the reasons of their preference, and compare the clinically used drugs formula with that traditionally used by local herbalists. Collection of drugs used in urolithiasis cases from survey done on pharmacies available in Hawler city; classify them according to their origin. Comparison among different classes of drugs done by questionnaire data collected from 40 Urologists. Comparison between phytotherapy regime used by both the physicians and traditional herbalists and local healers. Phytotherapeutic agents preferred over the combination drugs, the latter group were preferred over the synthetic. Ammi visnaga plant is a universal plant used in the phytotherapeutic regime by both physicians and traditional herbalists and local healers. Phytotherapeutic agents preferred over the combination drugs, the latter group were preferred over the synthetic. Ammi visnaga plant used as herbal remedy in kidney stone cases by both urologists and local herbalists.

Keywords: Herbalists, phytotherapeutic agent, Ammi visnaga

1. Introduction  
Phytotherapy is referred to plant preparations obtained by extraction, fractionation, purification, drying and concentration. These products enter health care system either directly or after addition of additives to the active ingredients [1, 2]. Phytotherapy have been promoted after gradual transition of mono drug therapy in conventional medicine into multidrug therapy [2, 3]. There are many ways for obtaining chemical substances, most important ones is their presence in the nature or not. Chemicals can affect human life by a wide variety of ways some are essential like vitamins and mineral others are toxic like poisons [4]. Natural origin drugs play an important role in the drug discovering process, attempts are continue for finding a lead compounds for developing of synthetic drugs clinically active, as well as synthetic drugs also play an important role in the process of drug discovery [4-6]. Renal stone is a recurrent renal disease, that patient recur from first stone at high rates without any preventive risks, but the recurrence of one more stone formation after 3 year from the first stone is about 40% and the percentage increases with the time [7]. Urolithiasis is formation of urinary calculi in urinary tract considering as a most popular disease about 12% of world population expressed renal stone in higher percentage in male than female [8, 9, 10]. The proven effects and activities of herbs and herbal products, in addition to drawbacks from the over use of synthetic drugs increase the curiosity peoples for discovering drugs from nature with safer remedies. As other diseases there were many herbal remedies are employed for the management of urolithiasis [11]. Usually urolithiasis case will not treated, medications are prescribed for relieving the pain associated with the case, and the patient will be advised for vegetarian diet and increasing in the fluid intake. Chemical drugs (synthetic drugs) available for the management of urolithiasis are ineffective in all forms of patients with many adverse effects. The usage of an open renal surgery for management of urolithiasis where declined after introduction of Extracorporeal Shock Wave Lithotripsy (ESWL) which has almost become the standard procedure for eliminating kidney stones. Drawbacks recording with (ESWL) method of treatment were the traumatic effect of shockwaves, stone fragments residues and the possibility of infection suggests that ESWL may cause acute renal injury, a decrease in renal function and an increase in stone recurrence, fragments of stone may remain and cause serial microbial infection. For these reasons, continues efforts were spent on developing anti-lithiatic drug from natural origin.
with fewer side effects [4, 12]. The way for management of diseases with medicines of more efficiency and less adverse effect is the phytotherapy [13]. However the complete mode of action of nature origin drugs (phytotherapeutic agents) are not well known, but plant based phytotherapeutic play an abundant role in the management of urolithiasis. Plant based drugs act in different stages of urolithiasis pathophysiology, unlike to the conventional drug which act in specific aspect. Their mode of action is a multiple mechanism example changing ion composition of the urine, exert diuretic effect or anti-lithiatic activity [14]. A great interest in phytotherapy and alternative therapies have been shown in recent years especially those drugs originated from plant. There were several reasons behind this great interest to plant derived drug, like inefficiency of synthetic conventional drugs, abusive of the drug, incorrect use result in side effect problems, difficult access to the conventional drugs in some areas in the world. Moreover, phytotherapeutic agents considered as harmless from folk medicine and ecological view [15, 16, 17, 18]. The objectives of the study were to classify the drugs available in the pharmacies in Hawler city, finding the priority of drug classes by the physicians with their corresponding reason behind of their preference of a selected class. Finally finding relation-ship between herbal remedies used by local herbalists and physician.

2. Methodology
Collection of drugs available in pharmacies in Hawler city used in urolithiatic cases management and classified in to three groups according to their origin (Chemical origin classified as chemical origin drugs (synthetic drug), plant origin classified as phytotherapeutic agents and combination of both groups. The comparative study among data collected from 40 urologist selected randomly in Hawler city by questionnaire have been done. The questionnaire include information about origin of drugs used by the physicians for kidney stone cases as helper for removing of stone or dissolving of the stone, the reasons behind of preferring to prescribe that origin of drug either low side effects, high efficacy and low prices (economic) or any other reasons specify by the physicians in section of other. Collection of herbal remedies used by traditional herbalists and local healers in urolithiasis. The data were presented using Microsoft Excel 2007.

3. Results
Drugs have been collected from 40 pharmacies in Hawler city and classified in to the three groups, it found that (60%) belong to plant origin group (phytotherapeutic agent), (33%) belong to chemical origin group (synthetic drug) and (7%) belongs to combination group of available drugs in pharmacies (Figure 1). Data collected from questionnaire distributed among (40) urologist were analyzed to find that (47%) (Figure 2) of physicians were preferred to prescribe phytotherapeutic agent, (59%) of them because of its low side effect, (23%) because of high efficacy, (18%) because of economic view; there was no any other reasons specified by doctors for preferring combination (Figure 3). (16%) (Figure 2) of physicians preferred to prescribe chemical origin drugs, (67%) of them because of high efficacy, (33%) because of low side effect, and (0%) of the physicians who preferring synthetic drugs because of economic view and no any other reasons specified by the physicians (Figure 3). Herbal remedies (crude plant materials) used in the management of urolithiasis used by traditional herbalists and local healers are presented in (Table. 1).
4. Discussion
Different properties of natural origin drugs participate in their effects on human being life either as nutrient or necessity for the health [4]. From drug collection process from pharmacies in Hawler city we found that most of the drugs available were originated from plant, mirror records by Eisenberg, 1998 that found phytotherapeutic agents were mostly available in pharmacies, followed by chemical origin drugs and in the third the combination preparation of both plant and chemical origin drugs. About 25% of prescribed drugs worldwide were plant origin [18], with over expectation of phytotherapeutic agents sales in 2003 recorded by Patwardhan et al. 2004 [19], as a revolution of the nature over synthetic agents and there were no drug in conventional drug therapy can dissolve the stone, physicians depend almost on alternative medicines (phytotherapeutic agents) [20], which were mostly prescribed by the urologists in Hawler city about 47%, a very close value of percentage of phytotherapeutic agents prescription were recorded in Germany by Gruenwald 1997 [21] and Misra 1998 [22] [about 50% of phytotherapeutic agents were sold on medical prescription], followed by the combination drugs and lastly the chemically manufactured drugs. In comparison of phytotherapeutic agent with conventional drugs used in urolithiasis management from different points of view depending on perspectives of urologists, have been found that phytotherapeutic agents are safer and more economic than that of synthetic drugs, their opinion were agreed by (Calixto 2000 [23], Rates 2001 [18], Merlin 2011 [24], Robinson 2011 [25], Anand et al. 2012 [26]), while the high efficacy of the synthetic drugs in corresponding to the efficacy of the plant origin drugs, since the plant efficacy depend on their phytochemical constituents and concentration and seldom researches done on their efficacy [20]. Combination drugs between the two controversy groups natural and synthetic drugs was found that were of low side effect mostly and more potent than the use of phytotherapeutic agent alone, similar finding were recorded by Breinbauer et al. 2002 [27] & Aggarwal et al. 2014 [28]. Antiurolithiatic plants were used by traditional herbalists and local healers in Hawler city; are Ammi visnaga, Urtica dioica, Althea officinalis, Petroselinum crispum and Zea mays. Their usage as anti-urolithiatic drugs because of these corresponding activities from literatures Ammi visnaga was used for its poten diuretic activity and prevent renal epithelial damage [29, 30, 31], Urtica dioica [29, 32], Petroselinum crispum [29, 33], Zea mays [29, 34, 35] and Nasturtium officinale [36, 37, 38, 39] were used for their diuretic effect, Althea officinalis [29, 40, 41, 42] was used for its anti-inflammatory and soothing effect. In comparison of herbs used by traditional herbalists with natural originat drug classes available in pharmacies prescribed by urologists in urolithiasis cases we found that Ammi visnaga plant were used by both traditional herbalists and urologist doctors, the effect of plant were document by Zulfaqar et al. 2001 [30], Vanachayangkul et al. 2010 [31].

5. Conclusion
In recent years there was a great passion toward the phytotherapy and alternative medicine for treatment and managing of variety of diseases over synthetic conventional drugs. From our survey on how much this interest of the world for the medicinal plants reflect on our society and perspectives of our physicians for managing of urolithiasis (the ailment with higher recurrent rates) we conclude that physicians opinion is that the nature plays an important role for developing and production of safer, more economic and effective drugs for the management of urolithiasis. Since, natural origin drugs were with greatest availability, safest drugs and most economic in the pharmacies in Hawler city, with higher medical prescription rates by the urologists followed by the combination group drugs, and the last group was the synthetic drug. In an attempt to find a relation between phytotherapy practicing by the traditional herbalists and local healers, and phytotherapeutic agents prescribed by physicians, Ammi visnaga plant was a universal plant that prescribed by both the local herbalists in form of dried plant material preparation and urologists in form of packed herbal remedies available in pharmacies in Hawler city.

6. References
11. Havagiray R, Shashi A, Jain SK, Sabharwal M. Herbal

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Table 1: Herbal remedies used by local herbalists in urolithiasis in Hawler city:

<table>
<thead>
<tr>
<th>Botanical Name</th>
<th>Family</th>
<th>Common name of plant</th>
<th>Common name in Kurdish and Arabic</th>
<th>Part of plant used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammi visnaga</td>
<td>Apiaceae</td>
<td>Tooth picks</td>
<td>Khela1,2</td>
<td>Seeds</td>
</tr>
<tr>
<td>Urtica dioica</td>
<td>Urticaceae</td>
<td>Stinging nettle</td>
<td>Gazgazok1, Algress2</td>
<td>Leaves and stem</td>
</tr>
<tr>
<td>Althea officinalis</td>
<td>Malvaceae</td>
<td>Marshmallow</td>
<td>GullaHero1, Alkatmeea1</td>
<td>Flowers and leaves</td>
</tr>
<tr>
<td>Petroselinum crispum</td>
<td>Apiaceae</td>
<td>Parsley</td>
<td>Maadanos2, Baqdoms2</td>
<td>Leaves and stem</td>
</tr>
<tr>
<td>Zea mays</td>
<td>Poaceae</td>
<td>Corn</td>
<td>Gammashamee1, Othara1</td>
<td>Corn silk</td>
</tr>
<tr>
<td>Nasturtium officinale</td>
<td>Cruciferae</td>
<td>Watercress</td>
<td>Kuzara1, Rashak1</td>
<td>Whole herb</td>
</tr>
</tbody>
</table>

1 refers to the Kurdish common name of the plant, 2 refers to the Arabic common name of the plant.