Unani Medicine: Introduction and Present Status in India
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Citation

Abstract
Unani Medicine (commonly referred to as Greeco-Arab medicine or Unani Tibb) is a traditional system of medicine practiced in Indian subcontinent. The present paper is an attempt to summarily introduce this complimentary therapy, its basic principles to western healthcare professionals. The overview of education, training and research in this field has also been presented.

INTRODUCTION
The Unani system of medicine; sometimes referred to as Greeco-Arab medicine or Unani Tibb; is based on Greek philosophy. As per this traditional system, the human body is composed of four basic elements: earth, air, water and fire having cold, hot, wet and dry temperaments respectively. The body fluids are composed of four humors: blood, phlegm, yellow bile and black bile. These humors have their own temperament:

Blood: hot & wet
Phlegm: cold & hot
Yellow bile: hot & dry
Black bile: cold & dry

The quality and quantity of four humors affect the state of health and disease in the body.

ORIGIN AND DEVELOPMENT OF UNANI SYSTEM OF MEDICINE
The Unani system of medicine originated in Greece (Unan or Yunan in Arabic language).

Aesculapius is credited as originator of this system. Buqrat (better known as Hippocrates, 460-377 BC) is said to be a descendent of Aesculapius and recognised as ‘father of Unani medicine’.

Unani medicine developed in the four time periods each in a different geographical belt:

1. Greek period
2. Arab-Persian period
3. Spanish period
4. Indian period

CONCEPT OF HEALTH
According to Unani medicine, health is considered as a state of body with humors in equilibrium and body functions normal. Health is based on six essential elements:

1. Air
2. Drinks and food
3. Sleep and wakefulness
4. Excretion and retention
5. Physical activity and retention
6. Mental activity and rest

This theory is indirectly having partial similarity with the accepted definition of health as a state of physical, mental and social wellness.

DIAGNOSIS
Classical diagnosis in Unani system is based on examination of pulse, stool and urine in addition to routine physical checkup.

MODES OF TREATMENT
There are three modes of treatment in Unani system:

1. Regimen therapy (Ilajbil tadbeer) – Use of exercise, climate change, massage, vensection, leaching, cupping, diet therapy etc.
2. Pharmacotherapy (Ilajbil dava) – use of drugs of

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plant, animal and mineral origin, either alone or in combination.

3. Surgery (Ilajbil Yad) – Surgical intervention in treatment as last resort.

UNANI MEDICINE: THE INDIAN SCENARIO

This section is intended to provide a brief overview of the education & training, professional practice and research in Unani medicine including the recent advances.

EDUCATION

The Unani Medicine education in India is governed by the Central Council of Indian Medicine (Govt. of India). Forty three colleges impart five and a half years' Bachelor of Unani Medicine and Surgery (BUMS) degree after 12 years of schooling. The BUMS courses are either affiliated to universities or are run by deemed university. The students learn basic / pre-clinical (e.g. anatomy, physiology), pre-clinical (e.g. pharmacology, pathology, hygiene) and clinical subjects (e.g. Unani medicine, surgery). BUMS course essentially involves a one year rotatory internship. BUMS can be followed by specialised courses in the form of house job training or post graduation.

3 year post graduate courses – MD (Unani medicine) or MS (Unani surgery) are offered by a number of institutions (Table 1) apart from National Institute of Unani Medicine, Bangalore in one or more of the following branches:

1. Unani internal medicine (Moalejat)
2. Principles of Unani medicine (Kulliyat)
3. Gynaecology, Obstetrics and Paediatrics (Amraz-e-niswan-wa-qabalat-o-atfal)
4. Preventive & Social Medicine (Tahaffuzi-wa-samaji Tibb)
5. Unani surgery (Jarahiyat)
6. Pharmacology (Ilmul Advia)

PROFESSIONAL PRACTICE

Clinical practice is undertaken by Unani graduates after registration with a duly constituted government registration board / council. They work in government and private establishments as Unani medical officers, research officers, clinical registrars, teaching staff members, manufacturing chemists and as Unani drug inspectors with drug control authorities. Few of the graduates and post graduates serve in the funded-research projects as research fellows or research associates. A sizeable number opts to work as Unani general practitioners. A minority of the Unani postgraduates are able to get the coveted Lectureships in the teaching institutions. These academicians have the opportunities to become Readers (Associate Professors) and Professors in the academic hierarchy.

RESEARCH

The academic research is mostly undertaken by Post-Graduates-in-training under the supervision of Unani academicians; sometimes; in collaboration with experts from other fields such as pharmacy, modern medicine and science. Dept. of AYUSH (Ayurveda, Unani, Siddha and Homoeopathy) under the Central Ministry of Health and Family Welfare is involved in the extra-mural research project funding to academic departments in Unani Institutes. The in-house research is undertaken by Central Research Council for Unani Medicine, New Delhi through its country-wide network of clinical, survey of medicinal plants and drug standardization units. Pharmacopoeial Laboratory of Indian Medicine, Ghaziabad under Central government is also involved in standardization of traditional remedies. Some Unani manufacturing companies also have their in-house research departments.

Ibne Sina Institute of Tibb in South Africa is also benefiting from the expertise of Unani physicians and academicians of India.

A paper has been published discussing the impact of Unani medicine on the Western world in Middle ages. Traditional knowledge digital library (TKDL) project under the functional control of National Institute of Science Communication & Information Resources (Council for Scientific & Industrial Research, New Delhi) is a milestone in the history of Unani medicine in India.

Clinical trials, standardization of drugs and manufacturing practices along with TKDL project are all aimed at getting global edge for this therapeutic system – the Unani medicine.
Figure 1
Table 1: Post Graduate Institutions of Unani Medicine*.

<table>
<thead>
<tr>
<th>Institution</th>
<th>Affiliating University</th>
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</thead>
<tbody>
<tr>
<td>AIIMS Unani Medical College, Mumbai</td>
<td>Bombay University, Mumbai</td>
</tr>
<tr>
<td>Ajmal Khan Tibbia College, Aligarh</td>
<td>Aligarh Muslim University, Aligarh</td>
</tr>
<tr>
<td>Ayurvedic &amp; Unani Tibbia College, Karol Bagh, New Delhi</td>
<td>University of Delhi, Delhi</td>
</tr>
<tr>
<td>Faculty of Unani Medicine, Jammu</td>
<td>Jammu Hamdard (Hamdard University), New Delhi</td>
</tr>
<tr>
<td>Govt. Nizamia Tibbia College</td>
<td>NTR University of Health Sciences, Hyderabad</td>
</tr>
<tr>
<td>Govt. Unani Medical College, Chennai</td>
<td>University of Mysore, Chennai</td>
</tr>
<tr>
<td>National Institute of Unani Medicine, Bangalore</td>
<td>RU University of Health Sciences, Bangalore</td>
</tr>
</tbody>
</table>

*Indicates List in alphabetical order

FURTHER READING
1. Ahmad J, Qadeer A: Unani: The Science of
2. AYUSH Website: http://indian
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