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# RESEARCH ARTICLE

# REVIEW ON UNANI PHARMACEUTICAL PROCESS MOHARRAQ (SOKHTA)

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### **ABSTRACT**

Amal-e-Ehraq is an Unani pharmaceutical processby which drugs are burnt to the charring stage but not reduce to ash. Drugs which undergo this process are suffixed with the term "Moharraq" or "Sokhta" for example Sartan Moharraq, Busud Sokhta, Marjan Sokhta Aspand Sokhtaetc. In this process drug/s packed in Boota (earthen pot), this boota cover with another mud pot, sealed with paste of Gile Multani (Multan clay) & cloth (Kaproti). Then, boota keep in furnace after dry, monitor the temperature of furnace, left for 6 to 8 hours. Removed the boota and collect the drug. In this process all organic contents of the drug are destroyed and only inorganic contents are left. For using inorganic contents this procedure has applied on drugs. In the Unani classical literature, the use of Sokhta or Moharraq drug/s are very common in the formulations of Majoon, Haboob, Aqras, Barood, Roghniyat, Sanoon, Sadri, Safoof etc.

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# INTRODUCTION

The name of Unani owes its place of origini.e., the ancient Unan (Greece), where Bugrat (Hippocrates 460-370 BCE) laid foundation of scientific medicine over the occult practice of medicine. For which he is credited to be not only the Father of Unani medicine but Conventional system of medicine (Allopathy) too. Besides him, there were other Greek and Roman philosophers-physicians who followed his teachings to enrich this system considerably. Later, the Arab and Persian physicians developed the Unani tib to a great extent. The physician like Mohammad Zakariya Razi (850-925-CE) and Ibn Sina (980-1037 CE) gave scientific touch to it (Anonymous, 2012). The Unani physicians had their own pharmacies adjacent to their *matab* (clinic) in which they used to process or prepare medicines for their patients. The Arabs were first to establish bimaristan (hospital), fann-e-Dawasazi (pharmacy), and wrote *qarabadeen* (pharmacopoeia). From the centuries, the Unani medicinal products are being consumed as pharmaceuticals, nutraceuticals and cosmeceuticals 2012). There are numerous modes of treatment employed in Unani system of medicine. Of these, Ilaj-bil-ghiza (dietotherapy), *llaj-bil-dawa* (pharmacotherapy), *Ilaj-bil-Tadbeer* (regimenal therapy) and Jarahat (surgery).

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The *Ilaj-bil-ghiza* tries to treat certain ailments by administration of specific diets or by regulating the quantity and quality of food. *Ilaj-bil-dawa* deals with the use of natural drugs, mostly herbal, partially animal and mineral origin. The *Ilaj-bil-tadbeer* comprises of many therapeutic procedures, viz., *fasad, hijamah, taleeq, nutool, qai* etc. The practitioners of Unani medicine are scattered all across the country forming an integral part of the national health care delivery system (Anonymous, 2012). *Sokhta or Moharraq* drugsare mentioned in many Unani formulations likes *Majoon, Haboob Aqras, Barood, Roghniyat, Sanoon, Shiyaf, Sadri, Safoof*etc.

Amal-e-Ehraq: Amal-e-Ehraq is an Unani pharmaceutical processby which drugs are burnt to the charring stage but not reduced to ash.Drugs which undergo this process are suffixed with the term "Moharraq" or "Sokhta" for example Sartan Moharraq, Busud Sokhta, Marjan Sokhta Aspand Sokhtaete<sup>3</sup>. In this process all organic contents of the drug are destroyed and only inorganic contents are left. For using inorganic contents this procedure has applied on drugs.

**Procedure of** *Moharraq:* The procedure of *moharraq* is applied on the animal, metal / mineral and herbal origin drugs. Animal's drugs must be washed with saline water and all the appendages, viscera are removed before the procedure. The metal/mineral drug's drugs should be cleaned and dried, preferbly converted into small fillings (burada).Plant origin drugs should be in small pieces form before the procedure. The drugkept in adisc shaped *boota* (earthen pot), cover with



Figure. preparation of Sokhta (Moharraq)

## Sokhta or moharraq drug mentioned in National Formulation of Unani Medicine

S. No	Sokhtaor Moharaq drug	Formulation	References
1	Aqrab sokhta (Scorpions)	Majune Sarafiyun,	NFUM, part II, p 72,
2	Jast sokhta (Zinc)	Burrod Banafsaji	NFUM, part IV, p 79
3	Zard sokhta (Curcuma longa)	Roghan-e- Auraq Qawi	NFUM, part IV, P 111
4	Koknorsokhta (Papaver somniferum)	Roghan-e- Auraq Qawi	NFUM, part IV, P 111
5	Babchi sokhta (Psoralia corylifolia)	Roghan-e- Auraq Qawi	NFUM, part IV, P 111
6	Amla sokhta (Embelica officinalis)	Roghan-e- Auraq Qawi	NFUM, part IV, P 111
7	Azaraqi sokhta (Strychnus nux vomica)	Sanoon Mustahkam Dandan, Sanoon	PSUF, Part III, p 237, NFUM, Part VI,
		muqawwi dandan	p109
8	PostBaiza-e-Murgh Sokhta (Gallus domesticum)	Habb-e-Sandroos	NFUM, Part II, Vol-1p 25
9	Sartan moharraq (Scylla serata)	Dawa-e-Jalinus, Habb-e-Jawahar	NFUM, part II, p 124, NFUM, part IV, p
		kafoori,Qurs Habis, Qurs sartan kafoori,	24PSUF, Part I, P 86,NFUM, Part VI,
		Habb-e-Jawahar Moalif, Mufarrah-e-	p19NFUM, Part III, p95
		shaikh-ur-rais.	
10	Nohas Sokhta	Barood-e-Ahmar, Shiyaf-e-	NFUMPartII, Vol 1 p54,
		Aqleemeya,Shiyaf-e-Aqleemeya quroohi,	NFUM, Part II Vol I p56,NFUM, Part II,
		Shiyaf-e-loban,Shuyaf-e-Ahmer Haad	Vol I p 60, NFUM, Part II, Vol I p61,57
11	Sadaf Sokhta (Pintoda margantifera)	Barood-e-Sozish-e-Cashm	NFUM, Part II, Vol I p56
12	Aqleemeya Moharaq	Shiyaf-e-aqleemeya quroohi	NFUM, Part II, Vol I p 60
13	Shakh-e-gauzban sokhta (Barago officinalis)	Shiyaf-e-aqleemeya quroohi	NFUM, Part II, Vol I p60
14	Busud-e-Ahamar sokhta(Corallium rubrum)	Qurs suzak	NFUM, Part VI, Vol I
15	Shakh marjan sokhta(Corallium rubrum)	Qurs suzak	NFUM, Part VI, p67
16	Gule kela shokhta (Musa paradisiacal)	Sadri	NFUM, Part VI, p67
17	Barge kela sokhta (Musa paradisiacal	Sadri	NFUM, Part VI, p67
18	Maghz neeb sokhta (Azadirachta indica)	Sadri	NFUM, Part VI, p67
19	Quaran-ul-aiyyal sokhta(Cervus elephus C.equinus)	Sadri	NFUM, Part VI, p 67
20	Barge dhak sokhta (Butea monosperma)	Sadri	NFUM, Part VI, p67
21	Barge Tambol sokhta (Piper betle)	Sadri	NFUM, Part, VI p67
22	Post Anar sokhta (Punica granatum)	Sanoon muqawwi dandan	NFUM, Part VI, p109
23	Barge Gaozaban sokhta (Barago officinalis)	Zaroor kulla	NFUM, Part VI, p111
24	Post-e-heel kalan sokhta	Habb-e-leemu	NFUM, Part III, p25
25	Qirtas sokhta	Shiyaf-e-Ahleel	NFUM, Part III, p
26	Busud sokhta(Moharraq)(Corallium rubrum)	Mufarrah-e-shaikh-ur-rais	NFUM, Part III, p95
27	Ispand sokhta (Peganum hermala)	Majun ispand sokhtani	NFUM, Part IV, 20
28	Gandum sokhta (Triticum aestivum)	Safoof dama haldiwala	Bayaz kabir, Vol II, p71
29	Post-e-Illaichi kalan Sokhta(Amomum subulatum)	Habb-e-limu	NFUM, Part V, p11
30	Chhaliya sokhta	Habb-e-limu, Sanoon-e-muqawwi dandan	NFUM, Part V, p150
31	Post-e-Badam sokhta(Prunus amygdalus)	Sanoon-e-muqawwi dandan	NFUM, Part V, p150
32	Mazu sokhta (Quercus infectoria)	Zaroor qula	NFUM, PartVI, p111

another pot, sealedby *kaproti*. The *boota* was kept in furnace/ *bhatti* and heated by cow dung cakes (CDC). The change in temperature of furnace regularly monitor by using pyrometer. After complete extinguishing of fire and cooling of furnace, remove the boota and collect the sokhta drug. The degree of heat depends on the drug used in the procedure.

Gil-e-Hikmat (Technique of sealing through soil and cotton) This is also known as "Teen ul Hikmat". The cotton is mixed with wet soil and ground well in a mortar (khral), when the cotton and soil are mixed completely to each other then it is used for sealing the mouth of the requirement pot and dried it

in this way the pot would remain safe from breaking on heating (Parvez, 2012).

*Kaproti* (Clothing with wet soil): The cloth and wet soil are wrapped around the required pot or *atishi shishi* (fire proof bottle) and dry. In this way it would remain safe from the effect of heat and fire. Hence it did not break on heating over fire. Another benefit is that the exchange of heat become ceased through *kaproti* or clothing. Use of *gil-e-multani* in compare to any other ordinary soil is more benefitted / useful (Parvez, 2012).

**Boota** (Mud pot): It is small size bowel or pot of clay and having very strong properties that it does not break on heating repeatedly. It is generally used in the preparation of Kushta or sokhta.

## USE OF SOKHTA DRUGS IN UNANI DOSAGE FORMS

Majun-Majun is a semisolid medicinal preparation where one or more single drugs of plant, animal or mineral origin are mixed in powder or liquid forms in the base (Qiwam) of purified honey, sugar, candy or jaggery. These include preparation like Jawarish, Laooq and Tiryaq etc (Anonymous, 2007; Anonymous, 2008).

Haboob and Aqras-Haboob (pills) is small round and uniformity shaped medicinal preparation. While Aqras (tablets) are flats and circular in shape, Size and weight of haboob and Aqras vary in form one tenth of a gram to one gram. Banadiq are in bigger form of haboob and weight from 1-3g (Anonymous, 2007; Anonymous, 2008). Barood (Kohal)-Barood (Kohal) is the finest powder form of the medicinal preparation used externally to strengthen the eyesight and to cure other eye ailments (Anonymous, 2007; Anonymous, 2008).

Roghaniyat-Roghan (oil) is a medium which is used in different forms. It is used for making the medicine, as medicine itself, as one of the ingredients in a particular formula or as medicated oil by mixing with other drugs, of plant, animal or mineral origin. It is mostly used as a base (as in the case of ointment) and is generally obtained from plant source. Oil can be extracted from different parts of the plant, viz. Maghaziyat (Kernels of the fruits), Roots, Leaves, Flowers, Seeds etc. Tila is an allied form of Roghaniyat and is included in this section (Anonymous, 2011). Sanoon-It is the fine powder which is applies on teeth to provide cleanliness and freshness 11, 12. Shiyaf-Shiyaf is the solid dosage form intended for insertion into body orifices where its melt, soften or dissolve and exert localized or systemic effects (Anonymous, 2007). Sadri-Sadri is a types of Majun which especially use for respiratory ailments (Anonymous, 2011). Safoof-The medicine is ground in a mortar (kharal) or grinder, and this ground medicine is known as powder or safoof may be very fine or coarse (Anonymous, 2011).

# **CONCLUSION**

Amle Ehraq is a unani pharmaceutical technique, in this process plants, animals, and minerals drugs was converted into charring stage (coal like), and moisture content remove from the drugs, but not reduced to ash, This process undertaken to

evaporate all moisture content and to make the completely dry, as indicated in respective formula, Majun, Haboob, Aqras, Barood, Roghniyat, Sanoon, Shiyaf Sadri, Safoof etc, for treatment of diseases.

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## REFERENCES

Anonymous (2012) Stander Unani Terminology, Central Council Research in Unani Medicine, Department of AYUSH, Ministry of Health & Family Welfare, Government of India, pp xv-xix.

Idris M. (2012): —Arrival of Unani medicine in Delhi during the Sultanate Periodl- A Chapter in the Dossier submitted to the UNESCO for getting Delhi the World Heritage City status.

Anonymous (2009) Unani pharmacopeia of India, part II, Vol-1; New Delhi, CCRUM, , Department of AYUSH, Government of India, Ministry of Health and Family Welfare, P 271

Parvez MA, Parveen N (2012) The text book of Unani pharmacy 1st edition Roshan printer press, Delhi; pp 62-65

Anonymous (2005), Physicochemical standardization of formulation, Part I, CCRUM, Ministry of Health and Family Welfare Govt of India New Delhi, Part 1 pp 186-187, 238

Anonymous (1993), National Formulary of Unani Medicine, Government of India, Ministry of Health and Family Welfare, Deptt of Health, New Delhi Part I, pp 24,79,111,

Kabiruddin H, ynm, Bayaz-e-Kabir vol IInd ,Ajaz publishing house, Dariya Ganj, New Delhi; pp,71

Anonymous (2007), National Formulary of Unani Medicine, Government of India, Ministry of Health and Family Welfare, Deptt of Health, New Delhi Part II, pp 25,54,56,57,60,124,7,48,66

Anonymous (2001), National Formulary of Unani Medicine, Government of India, Ministry of Health and Family Welfare, Deptt of Health, New Delhi Part III, pp, 25,95

Anonymous (2006), National Formulary of Unani Medicine, Government of India, Ministry of Health and Family Welfare, Deptt of Health, New Delhi Part IV, pp,24

Anonymous (2008), National Formulary of Unani Medicine, Government of India, Ministry of Health and Family Welfare, Deptt of Health, New Delhi Part V, pp 11,150, 7,43,65,123,147

Anonymous (2011), National Formulary of Unani Medicine, Government of India, Ministry of Health and Family Welfare, Deptt of Health, New Delhi Part VI, pp,20,60,67,109,111.