 Management of Musculoskeletal Disorder through Ilaj-bit-Tadbeer (Regimenal Therapy) - A Review

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ABSTRACT

Musculoskeletal disorders are very common in today’s scenario, affecting daily activities and causing disability to some extent. The Unani medical system takes a holistic approach to the treatment of any disease or ailment. Unani medicine is extremely effective in treating musculoskeletal disorders. Ilaj-bit-Tadbeer (Regimenal therapy) is an important part of the Unani system of medicine for treating various musculoskeletal and psychological disorders by modifying the Asbab-e-sitta-zarooriah (six essential factors) of life for maintaining health and disease prevention. Cupping, leeching, inkebab, bukhoor, dalak, nutool, fasd, takmeed, and other modalities of Ilaj-bit-Tadbeer can be very effective in treating a variety of musculoskeletal disorders.

Keywords: Unani Medicine, Ilaj-bit-tad beer, Musculoskeletal Disorder, Asbab-e-sitta-zarooriah

Introduction

Musculoskeletal pain is a serious public health concern in industrialised nations because of its high incidence and enormous impact in terms of medical expenditures, work incapacity, and reduced quality of life.1 According to research on both the general and working populations, women have a higher prevalence of musculoskeletal pain than males.2-13

MSD symptoms include weakness, discomfort, swelling, and inflammation. The most prevalent symptom of MSDs is pain. It may be accompanied by joint stiffness, muscle tightness, redness, and swelling of the afflicted region.14

Many studies have found that complementary and alternative medicine (CAM) treatments are beneficial in treating chronic musculoskeletal pain and other symptoms in the general population.15,16,17 The phrase complementary and alternative medicine (CAM) refers to medical items and procedures that are not included in mainstream treatment. Ayurvedic, aromatherapy, homeopathic medicine, and naturopathic medicine are all forms of traditional Chinese medicine.

The Unani system of medicine has been involved in the healthcare system since classical times. For the treatment of illnesses, four therapeutic strategies are often used: regimenal therapy, dietotherapy, pharmacology, and surgery. Regimenal treatment is an essential modality, in which morbid matter in the body is expelled out, or its unessential production or flow is prevented, and illnesses are treated by the body’s natural healer, restoring humoural stability.

The allopathic medical system has some limits in terms...
of cost and safety, as it is rife with side effects.\textsuperscript{18} As a result, regimenal treatments play an important role in pain relief since they are easily accessible, effective, and safe treatments are particular procedures that strengthen the body’s defensive system and eliminate waste products (Istifragh-e-akhlat-e radiya). The traditional name for ilaj-bit-tadbeer is “Molijat-e-Khasusi,” which was proposed by the Central Council of Indian Medicine (CCIM) in New Delhi.\textsuperscript{19}

**Methodology**

There are many modalities in regimenal therapy which can be applied for the management of various musculoskeletal disorders like osteoarthritis, rheumatoid arthritis, frozen shoulder, tennis elbow, golf elbow, carpal tunnel syndrome, sprain etc. This review comprised peer-reviewed journal publications and RCTs that mostly focused on the use of regimenal modalities in joint pain. The phrases Dalak, musculoskeletal condition, joint pain, regimenal treatments, Hijama, massage, Hijamah, cupping therapy, Hijamat, Taleeq, Israle Alaq, Hamمام, leeching, fomentation, steam fomentation, sauna bath, irrigation, Takmeed, and Nutool were used for the search. The Unani literature is based on famous Unani treatises such as Razi’s Kitab al-Hawi fit Tibb, Ibne Sina’s Alqanoon Fit Tibb, Akbar Arzani’s Tibbi-Akbar, M. Azam Khan’s Akeer-i-Azam, Ismail Jurjani’s Zakhira Khawazarm Shahi, and Jeelani Makhzane Hikmat Kamil. Several relevant published papers, including reviews and RCTs, were searched utilising the online database.

**Regimenal Therapies**

Regimenal therapies have been used since decades to eradicate various musculoskeletal disorders.

**Massage (Dalk)**

Massage disrupts the pain’s vicious cycle, resulting in pain reduction. Massage is used to treat a variety of pain disorders like:\textsuperscript{20,21}

- Tendinitis
- Fibrositis
- Muscular damage
- Sprain of a ligament
- Tenosynovitis
- All forms of arthritis, such as rheumatoid arthritis, osteoarthritis, and gout, among others
- Nervous system problems such as sciatica (Irqun nisa), falij (hemiplagia, paraplegia and quadriplegia), neuralgia, facial or bells paralysis (luqwa), and so on
- Musculoskeletal conditions such as cervical spondylosis, frozen shoulder, low back pain, carpal tunnel syndrome (wrist joint discomfort), rheumatism, and so on

The affected area of the body should be massaged gently for a longer period of time for therapeutic purposes. If the discomfort is caused by excessive cold (Galba-e-baroodat), the afflicted area should be massaged with Roghan-e-Nargis/ Rogan-e-Sosan combined with Dhatoora oil, and if the pain is caused by excessive heat (Galba-e-haraarat), it should be massaged with Rogan-e-Hina.\textsuperscript{22}

**Cupping**

Cupping is a distinct regimenal treatment technique that uses local suction to divert or evacuate diseased materials. Cupping works by pulling blood from the afflicted region to the skin’s surface, which lowers or eliminates discomfort. It allows for the removal of 80% of pain-causing chemicals. It alleviates or eliminates muscle discomfort by relaxing spastic muscle fibres,\textsuperscript{23} and is used to alleviate pain.\textsuperscript{24}

**Fasd (Venesection)**

In the contemporary medical system, phlebotomy is now recognised for three diseases: polycythemia vera, hemochromatosis, and porphyria cutanea tarda.\textsuperscript{25} Fasd (venesection) is a therapeutic approach that restores temperament and bodily humours by removing illnesses from the body (Tanquiyah-e-Mavad). Renowned Unani experts like Jalinoose, Ibne-e-Sina, Arzani, and Razi argued for the usage of fasd (venesection) in the treatment of Tahajjur-e-Mufasal-e-Rakkab (knee osteoarthritis).\textsuperscript{26} Many pain ailments, including Waja’a-e Qalb (Angina pectoris), Waja-ul Mufasil (Rheumatic arthritis), Irqun Nissa (Sciatica), Zaat-ur-Riya (pneumonia), and Niqras (Gout), require fasd for humour purification.\textsuperscript{27}

**Hirudotherapy (Leeching)**

Leech treatment is the most effective non-pharmacological pain relief approach. Leech saliva includes anti-inflammatory, anaesthetic, antiplatelet aggregation factor, antibiotic, and gelatinous compounds that relieve pain. Leeches reduce swelling by sucking out excess blood, enabling fresh oxygenated blood to reach the damaged region until normal circulation is restored.\textsuperscript{27} Leeching or hirudotherapy is a popular treatment for a variety of painful diseases like:\textsuperscript{27-30}

- Haemorrhoids
- Qarooh muzaminah (chronic ulcers)
- Abscesses and boils
- Amraz mufassil (joint problem) such as gout, osteoarthritis
- Dermatitis, ulcers, and other skin conditions

**Natool (Irrigation)**

Natool is a fundamental ilaj-bit-tadbeer method in which medicinal oil, decoction, or plain water is softly poured over the sick region from a height. This technique is known as “tanteel,” or irrigation. It is divided into two types: haar and barid, and is performed in order to produce the required action of medication locally, which may occur via the following three techniques:\textsuperscript{31}
Exercise

Exercise is defined as any type of physical exercise that is planned, structured, and repeated in order to preserve physical fitness and overall health. According to Buqrat (Hippocrates), a hungry person should not participate in any exertion or severe work since it creates tiredness. Horseback riding is considered a full workout (Riyazat Haqeeqi or Kull), whereas stone lifting is considered a half workout (Riyazat Juziya). Weeping is supposed to be a healthy exercise for youngsters, whereas angeriness is said to be a good workout for those with a frigid temperament. Exercise boosts the body’s resilience to pain by boosting endorphin production, which provides a sensation of well-being.40 Exercise improves pain by boosting blood supply to the afflicted area, which enhances mobility and gives continuity, preventing muscular spasms and contractures.41

Conflict of Interest: None

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