

Innovative Work of Chinese Enemy of Coronavirus Drugs

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Abstract

According to last update in several innovative Chinese antiviral drugs were under development or in use to combat the coronavirus disease (COVID-19) caused by the SARS-CoV-2 virus. These drugs aimed to treat COVID-19 patients, reduce disease severity, and prevent severe complications. Some notable Chinese antiviral drugs and treatments included. Originally developed by Gilead Sciences, is an antiviral drug that showed promising results in clinical trials against SARS-CoV-2. The government approved its emergency use in COVID-19 patients, and several Chinese pharmaceutical companies were involved in the production of the drug. Favipiravir is another antiviral drug developed by a Japanese company, but it gained attention in China for its potential against COVID-19. Some Chinese pharmaceutical companies produced generic versions of the drug, making it widely available for COVID-19 treatment in China. In addition to Western antiviral drugs, China also explored the use of Traditional Chinese Medicine (TCM) in COVID-19 treatment. TCM formulas were used alongside conventional therapies to manage symptoms and improve patient outcomes. Some TCM formulas gained popularity and were included in COVID-19 treatment protocols in China.

Keywords: COVID-19 • Medicine • Drugs

Introduction

Researchers and pharmaceutical companies were actively working on the development of monoclonal antibodies targeting SARS-CoV-2. These antibodies can neutralize the virus and reduce viral replication, potentially serving as an effective treatment for COVID-19. Convalescent plasma therapy, which involves using blood plasma from recovered COVID-19 patients containing antibodies against the virus, was utilized in China to treat severely ill patients. While not antiviral drugs, China also invested in mRNA vaccine research and development to combat COVID-19. Some Chinese companies were developing mRNA-based vaccines, which have shown high efficacy in preventing COVID-19 in clinical trials.

Description

It's important to note that the landscape of COVID-19 treatments and innovations is continually evolving, and new drugs and treatments may have emerged since my last update. As with any drug development, rigorous testing and clinical trials are essential to ensure safety and efficacy before widespread use in patients. For the most up-to-date information on Chinese antiviral drugs and COVID-19 treatments, it is recommended to refer to reputable sources, such as the World Health Organization (WHO) and peer-reviewed scientific publications. Traditional Chinese Medicine (TCM) is a system of medicine that has been practiced for thousands of years in China and other parts of East Asia. It is based on a holistic approach to health and wellness, emphasizing the balance of qi (vital energy) and the harmony between the body, mind, and environment. TCM encompasses a wide range of practices, including herbal medicine, acupuncture, cupping therapy, moxibustion [1].

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Herbal remedies are a cornerstone of TCM. TCM practitioners use various medicinal plants and herbal formulations to address specific health conditions and imbalances in the body. Herbal medicine is often prescribed in combination to create personalized treatment plans. Acupuncture involves the insertion of fine needles into specific points on the body to stimulate the flow of qi and restore balance. It is believed that these acupuncture points correspond to energy pathways (meridians) that run throughout the body. Acupuncture is a key component of Traditional Chinese Medicine (TCM) and is a therapeutic practice that has been used for thousands of years in China and other parts of East Asia. It involves the insertion of fine, sterile needles into specific points on the body, known as acupuncture points, with the aim of restoring the flow of vital energy (qi) and promoting balance and harmony within the body. Cupping involves placing glass or plastic cups on the skin to create a suction effect. This technique is used to improve blood circulation, relieve muscle tension, and promote healing. Cupping therapy is an alternative medical practice that involves placing special cups on the skin to create a suction effect. It is an ancient form of therapy that has been used in various cultures for centuries, including Traditional Chinese Medicine (TCM), Egyptian, and Middle Eastern traditions [2].

The cups used in cupping therapy are typically made of glass, bamboo, earthenware, or silicone. The therapist creates a vacuum inside the cup by heating the air inside or using a mechanical pump. Once the vacuum is created, the cups are placed on the skin, and the suction draws the skin and superficial muscles upward into the cup. It is essential to note that while cupping therapy is popular in some alternative medicine circles and has been used traditionally for various conditions, there is limited scientific evidence to support its effectiveness for many health claims. Some studies have shown promising results for certain conditions, such as reducing pain in specific musculoskeletal conditions, but more rigorous research is needed to draw definitive conclusions [3].

Before considering cupping therapy or any alternative treatment, it is crucial to consult with a qualified healthcare professional to discuss its potential benefits and risks, especially if you have any pre-existing medical conditions or are taking medications. Additionally, ensure that you seek the services of a trained and licensed practitioner for cupping therapy to minimize the risk of adverse effects. Moxibustion involves burning dried mugwort (moxa) near acupuncture points to warm and stimulate the points, promoting the flow of qi and blood. Moxibustion is another traditional Chinese medicine (TCM) technique often used in combination with acupuncture. Like acupuncture, moxibustion aims to promote the flow of vital energy or qi (pronounced "chee") in the body to maintain health and treat various conditions [4].

Moxibustion involves burning dried plant materials, primarily the herb mugwort (*Artemisia vulgaris*), to apply heat to specific acupuncture points or

areas of the body. The burning mugwort is typically formed into a cigar-shaped stick or compressed into small cones, which can be placed directly on the skin or held just above the skin's surface. The heat generated by the burning mugwort is believed to stimulate the flow of qi and blood in the body, thus balancing the body's energy and promoting healing. Moxibustion is commonly used in TCM to treat conditions related to cold and stagnation, such as pain, arthritis, digestive disorders, menstrual irregularities, and certain respiratory conditions. It is believed that the warming effect of moxibustion can help improve circulation and promote the body's natural healing processes [5].

Conclusion

As with any alternative therapy, it is essential to consult with a qualified healthcare professional before using moxibustion, especially if you have any underlying health conditions or are pregnant. Moxibustion should only be performed by trained practitioners to minimize the risk of burns or other adverse effects. If you are considering moxibustion as part of a treatment plan, it should be used as a complementary therapy in conjunction with conventional medical care, rather than a replacement for evidence-based treatments. These mind-body practices combine slow and gentle movements with focused breathing and meditation. They are believed to promote relaxation, improve balance, and enhance overall well-being.

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