Editorial

Thai Medicinal Treatment Theory in Hypertension

Pannawat Chaiyawatthananthn*

In Thai traditional medicine hypertension or high blood pressure is understood through the lens of imbalance in the body's elements and energies. The treatment approach typically involves a combination of herbal remedies, dietary adjustments, lifestyle modifications, and sometimes therapeutic practices like Thai massage or meditation. Here are some key aspects for the treatment of hypertension in Thai traditional theory:

1. Herbal Remedies - Thai traditional medicine utilizes various herbs and herbal formulations that are believed to help balance the body's energies and support cardiovascular health, such as Centella asiatica (Gotu kola), Andrographis paniculata (King of Bitters), and Orthosiphon stamineus (Java tea).

2. Dietary Modifications - A key component of treatment involves dietary adjustments aimed at reducing sodium intake and promoting a diet rich in fresh fruits, vegetables, lean proteins, and whole grains. Certain herbs and spices are also recommended to be integrated into cooking for their health-promoting properties.

3. Lifestyle Changes - Thai traditional medicine emphasizes lifestyle modifications including regular physical activity, stress reduction techniques (such as meditation or mindfulness practices), and adequate sleep to support overall health, as well as manage hypertension.

4. Therapeutic Practices - Traditional Thai massage (Nuad-Thai) and therapeutic Thai herbal compress (Luk-Pra-Kob) are sometimes used to promote circulation, reduce muscle tension, and support relaxation, which may indirectly help in managing hypertension.

5. Energy Balancing - Practitioners of Thai traditional medicine often focus on balancing the body's energy channels and imbalance of four elements (e.g., fire, wind, water and earth) believed to contribute to hypertension.

6. Individualized Approach - Treatment plans in Thai traditional medicine are often tailored to the individual's specific constitution, symptoms, and risk factors of hypertension. This personalized approach may involve a combination of different herbs and therapies based on the practitioner's assessment.

Several herbs are known for their benefits in managing hypertension. It's important to note that while some herbs may show promise in clinical studies, their effectiveness and safety can vary, and they should be used cautiously and preferably under medical supervision. Here are some herbs commonly used or studied for their potential effects on hypertension:

1. Garlic (*Allium sativum*) - Known for its cardiovascular benefits, garlic may help lower blood pressure due to its ability to widen blood vessels and improving circulation,[1]

2. Hawthorn (*Crataegus pinnatifida*)- Often used in traditional medicine for heart health, hawthorn may help dilate blood vessels and improve blood flow, potentially lowering blood pressure,[2]

3. Hibiscus (*Hibiscus sabdariffa*)- Hibiscus tea has been studied for its antihypertensive effects by increasing urination, possibly due to its antioxidant properties and ability to relax blood vessels,[3]

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Department of Applied Thai Traditional Medicine, Faculty of Medicine, Thammasat University, Pathum Thani 12120, Thailand
***Corresponding author:** Pannawat Chaiyawatthananthn, Ph.D., Department of Applied Thai Traditional Medicine, Faculty of Medicine, Thammasat University, Pathum Thani 12120, Thailand, Email: pannawat@tu.ac.th

4. Cinnamon (*Cinnamomum verum*)- While more commonly associated with blood sugar control, cinnamon may also have a modest effect on blood pressure reduction,[4]

5. Ginger (*Zingiber officinale*) - Known for its anti-inflammatory properties, ginger may help lower blood pressure by improving blood circulation and relaxing muscles surrounding blood vessels,[5]

6. Turmeric (*Curcuma longa*) – Contains curcumin, which has antioxidant and anti-inflammatory properties that may contribute to cardiovascular health,[6]

7. Basil (*Ocimum basilicum*) - Contains eugenol, which may help lower blood pressure by dilating blood vessels,[7]

8. Cardamom (*Elettaria cardamomum*)- Often used in traditional medicine, cardamom may help lower blood pressure due to its antioxidant properties and potential diuretic effects,[8]

9. French lavender (*Lavandula stoechas*) - Known for its calming effects, lavender may help reduce stress and anxiety, which can contribute to lowering blood pressure,[9]

10. Celery seed (*Apium graveolens*)-Contains compounds that may help lower blood pressure by relaxing the muscles in and around arterial walls,[10]

It's crucial to consult with a healthcare provider before using herbs for hypertension. This precaution is especially important if you are already taking medication or have other health conditions. Herbal remedies should not replace prescribed medications without medical guidance, as they may interact with medications or have unintended effects. The collaboration between traditional and modern medicine can offer a combined strategy for managing hypertension effectively and safely.

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