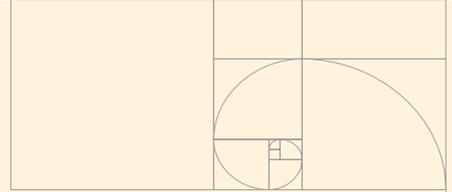


Health Heritage Innovations

Category: Product

Stage: Scaling

Country (region): India (South-East Asia)



Paradise tree transforms cancer treatment

Clinical development and global validation of an Ayurvedic herbal treatment for the integrative management of cancer

Cancer continues to pose a major health care challenge, particularly in low- and middle-income countries where access to advanced therapies is limited. Our innovative Ayurvedic formulation developed from *Simarouba glauca* (otherwise known as Laxmi Taru or the paradise tree) offers a unique, evidence-based solution that integrates traditional knowledge with biomedical science.

What makes our innovation distinctive is its fully standardized extraction process, supported by chemical fingerprinting, chromatography and DNA barcoding – all of which ensure high reproducibility and readiness for clinical use. In addition, the formulation addresses a significant unmet need for safe and affordable supportive care that can enhance patient tolerance to chemotherapy, and potentially improve therapeutic outcomes. Its economic advantage lies in its scalability, oral administration and applicability within resource-limited health systems.

Extensive preclinical evidence suggests that the treatment induces multi-pathway anti-cancer activity; for example, apoptosis (the orderly death of cells) in the cell lines of lung, colon and breast cancer. The herbal extract also shows synergy with standard-of-care chemotherapeutics.

Safety of the *Simarouba* formulation is well established through studies to identify any negative effects, and to test for genotoxicity. In addition, research shows a 50–60% rate of tumour inhibition. Real-world Ayurvedic practice further indicates improved comfort and treatment tolerance in cancer patients.



Innovators:

Ritu Verma, Anu T. Singh,
Manu Jaggi

Dabur Research Foundation,
India

Contact:

ritu.verma@daburresearch.in
anu.singh@daburresearch.in
manu.jaggi@daburresearch.in

Study
report



Disclaimer: WHO played no role in the development of this innovation.