Artemesia – Artesunate – Wormwood

Artemisia vulgaris is a traditional medicine for parasites, including malaria.

•Wormwood herb releives constipation, particularly moving the upper GI tract. It also rebalances flora (probiotic organisms).
•Increases bile flow, detoxifying the liver
•Removes many intestinal worms and parasites
•Reduces the inflammatory cytokine growth promoters

Artemisia annua or "sweet" wormwood - Artemisinin is the form taken orally for cancer treatment, and water-soluble Artesunate is delivered by intravenous infusion.

Artemisinin:
- Is a hormone balancer, particularly reducing excess estrogen and prolactin in breast cancer
- Artemisinin is activated by ionic ferrous iron, which cancer cells accumulate.
- Iron is an essential cofactor for cancer cell proliferation.
- Most cancer cells have high rates of iron intake and express a high concentration of transferrin receptors on the cell surface.
- Rapid growth of abnormal cells sequesters relatively large amounts of iron.
- This free radical of oxygen stresses cancer cells, which are always deficient in catalase enzyme.
- Normal cells use catalase to harmlessly dissipate the peroxides.
- It has a very short period of action, clearing the bloodstream in about 2 hours.
- Cancer cells are about 100 times more susceptible to dying from artemisinin than healthy cells.
- Inhibits angiogenesis (new blood vessel growth), disrupting the blood supply to tumours
- Induces apoptosis and slows growth in cancers such as fibrosarcoma, lymphoma, breast, pancreatic, esophageal, prostate, and ovarian.

Contraindications:
- Sedentary lifestyle – works best in those more physically active
- Smokers - must be off tobacco at least 6 months
- Radiation therapy or surgery - wait until 2 months after Mild and transient symptoms can occur, but tend to clear with continues use: cold extremities, numbness, tinnitus, dizziness, headache, GI discomfort, anorexia, nausea, vomiting, diarrhea. If these are severe or persistent, lower the daily dose