

Homeovitality Super Wound Heal.



Use for:- Improving internal and external wound healing and reducing the formation of scar tissue, supporting the growth of new blood vessels, reducing severity of heart disease, and promoting faster healing of heart tissue damaged by cardiomyopathy and heart attacks.

The Super Wound Heal product has been developed to help produce more CCN1 protein at the site of injury. The CCN1 protein promotes more effective wound healing, internally and externally and reduces the build-up of scar tissue following chronic inflammatory disorders. It also reduces the severity of heart disease and helps damaged heart tissue to heal more effectively. It also has the added benefit of arresting tumour growth.

To be taken as required until health is restored.

What does CCN1 do?

The Homeovitality Super Wound Heal product has been formulated to target the CCN1 gene. In recent years, much has been learned about the biology of internal and external wound healing. Scientists have now discovered a gene called CCN1, also known as CYR61 that plays a master regulatory role in the biology of wound healing.

Dr. Babic and colleagues (1) initially discovered that CCN, referred to as a modern matricellular protein, works by attracting wound healing cells to the site of injury. They also showed that it helps to form new blood vessels at the site of injury in order to supply sufficient blood borne nutrients to heal the wound.

More recently, Drs. Jun and Lau (2) discovered that CCN1 also enhances wound healing by causing cellular senescence, that is, it is able to stop fibroblasts from dividing and forming fibrotic tissue or scar tissue so that new skin or tissue can be re-grown and the formation of scar tissue minimised. They also recognised that CCN1 is involved not only in the healing of skin, but also in the healing of many other tissues and organs such as heart and bone.

If the expression of CCN1 is restricted, healing is delayed and scar formation is increased. In fact, clinical studies have shown that application of CCN1 to healing wounds results in

protection against the formation of scar tissue (2). Thus, promotion of the expression of CCN1 promotes more efficient wound healing and a reduction in the formation of scar tissue. These effects are applicable to general bodily healing processes, not just the skin.

To quote from one of Dr. Lau's (3) recent papers, "CCN1 (CYR61) is a dynamically expressed, multifunctional matricellular protein that.....regulates inflammation, wound healing and fibrogenesis in the adult. Aberrant CCN1 expression is associated with myriad pathologies, including various cancers and diseases associated with chronic inflammation."

In recent years, Dr. Rother and colleagues have made the exciting discovery that CCN1 also plays an important role in reducing the severity of heart disease and helping damaged heart tissue to repair more effectively (4).

1. Babic AM, et al. CYR61, product of a growth factor-inducible immediate-early gene, promotes angiogenesis and tumor growth. Proc. Natl. Acad. Sci. U. S. A 1998; 95: 6355.

2. Jun JI & Lau LF. The matricellular protein CCN1 induces fibroblast senescence and restricts fibrosis in cutaneous wound healing. Nat. Cell Biol. 2010; 12: 676.

3. Lau LF. CCN1/CYR61: the very model of a modern matricellular protein. Cell. Mol. Life Sci. 2011; 68: 3149.

4. Rother M et al., Heart Failure. Matricellular signaling molecule CCN1 attenuates experimental autoimmune myocarditis by acting as a novel immune cell migration modulator. Circulation.2010; 122: 2688.