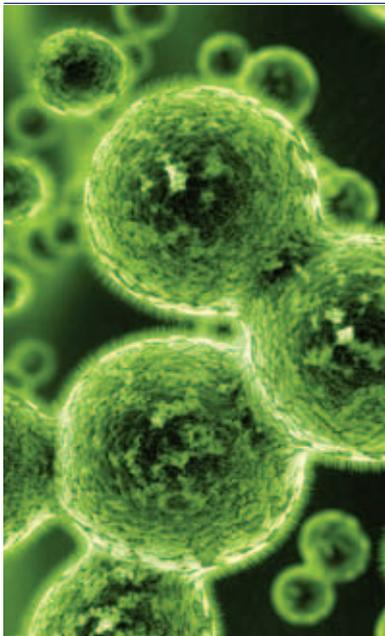


HEALTHY CHOICES

Latest tips on the art of living well.

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Stem Cells & Colostrum – the latest research



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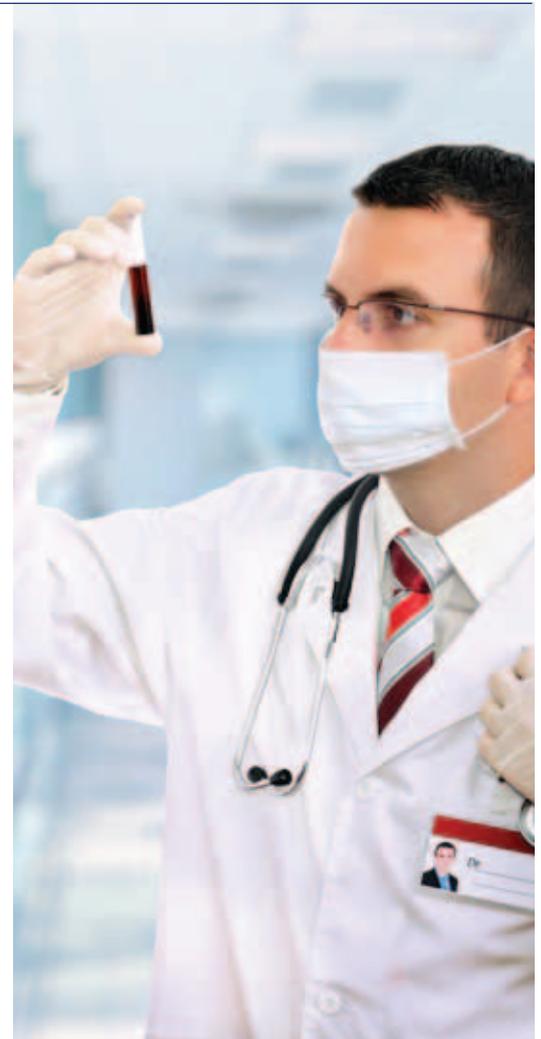
Adult stem cells are gaining more popularity in the medical world as a means to improve the body's innate healing capacity, and with good reason.

Stem cells are original cells, the cells that all other cells come from (or stem from). They are un-specialised cells which means that they can turn into many different cell types in the body. Because stem cells can potentially divide without limit to replenish other cells they can repair and regenerate damaged and diseased tissues which helps reduce the effects of ageing.

Adult stem cells are made in the bone marrow and get released to circulate in the blood of adults when required for tissue repair. They are an important part of the immune system, supplying the body with a source for regenerating new cells to re-build old, worn out and damaged tissues.

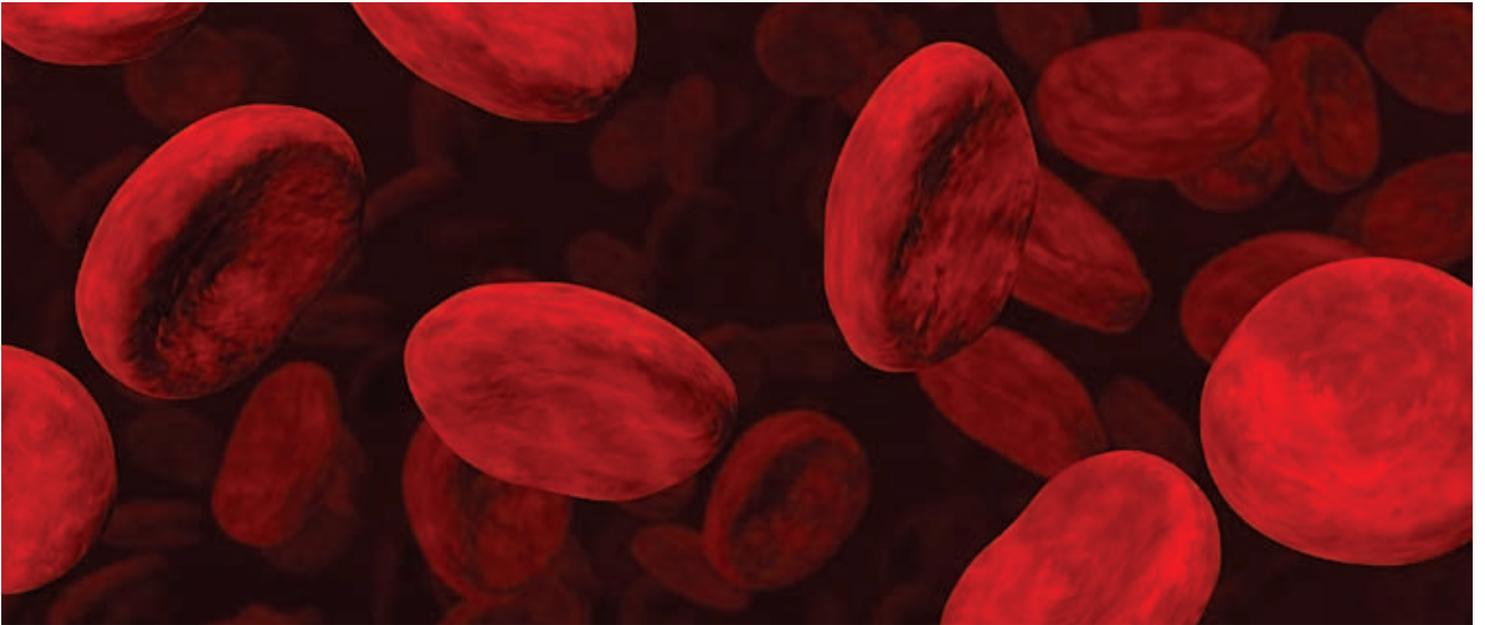
There is a large body of scientific data supporting the role of colostrum in broad range immune support. Conversely, there has been no well established research investigating the specific role of colostrum to support the body's natural regeneration pathways via stem cell activation, until now.

In 2011 New Image initiated a research programme to establish the effects of colostrum and other key nutrients on adult stem cells. The study by respected Immunologist Dr Gill Webster, due to be published in 2013, included research in-vitro (cells isolated "in glass" petri dishes); animal (mouse) feeding studies; and a pilot study in humans.



The initial in-vitro studies tested colostrum and select nutrients in comparison to placebo (no active substance) to determine if any of the substances had an effect on stem cell activity.

The results of these investigations showed that colostrum and certain nutrients had a significant impact on the activation of stem



cells. The next phase of the study was to test colostrum and a proprietary combination of colostrum and proven nutrients in-vivo (“within the living”) in animals and in humans.

Dr Webster’s research established that while colostrum alone had a considerable effect on stem cell activity, it was the combination of colostrum, yeast extract, skullcap, zizyphus, seaweed and turmeric that had the most profound activity likely to translate into therapeutic benefit.

When discussing therapeutic benefit

in relation to stem cells, it is important to realise that merely increasing the number of stem cells available is only one piece of the very important puzzle. There are 5 key elements that measure efficient stem cell development in the body: Release, Migration, Engraftment, Differentiation and Viability. You can read more detail about these elements in issue 10 of Healthy Choices.

By measuring specific markers known to be related to stem cell activation, Dr Webster’s research found the colostrum and nutrient combination supports the

following stem cell cascade mechanisms:

- Increasing the number of stem cells in the bone marrow
- Promoting the release from the bone marrow (or other tissue) into peripheral circulation

The findings of these studies support the previously suggested benefits of colostrum for stem cell activation and show the specific effects of the proprietary blend of key nutrients and colostrum. Other studies are underway to determine other aspects of stem cell activity.

When we also consider the well known benefits of colostrum for the immune system in general, we begin to see how a product with these active nutrients can support our overall immunity, healthy ageing and natural regeneration. Something we all strive for.

Issues 10 and 11 of Healthy Choices cover the fundamentals of stem cells and the factors that support healthy stem cells in the body, these articles can be accessed in the ‘Resources’ section of our website www.newimageasia.com

