



Dr. K's Q Sciences MONTHLY NEWSLETTER —

Edition 28, February 2017



Hi all! I am so stoked to have the opportunity to present to you the latest addition to our incredible product line— Q Prime, which has been teamed with Q Biotics and Q Max for the Q Core package. Those of you lucky ones who attended the Rocky Mountain Summit in Provo, Utah, this past week have heard firsthand about the very real benefits that Q Prime affords.

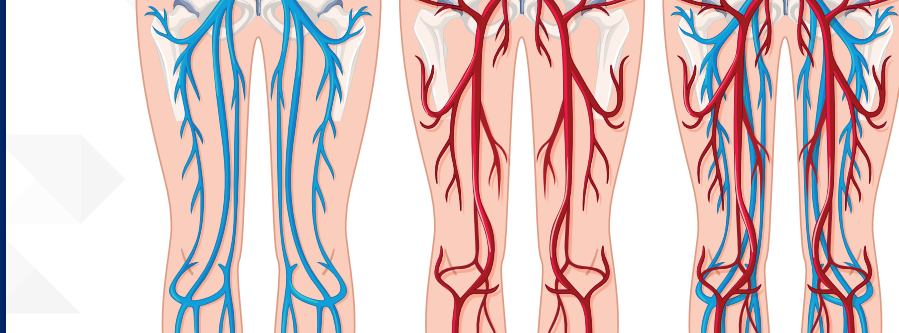


What is Microcirculation?

Circulation is key to our overall health, and while we tend to think of circulation as being “macro,” the heart the brain etc, the fact is that 99% of our crucial blood and oxygen supply is delivered by tiny capillaries that are LESS than the diameter of a red blood cell.

Hard to imagine, really, but as we age this microcirculation suffers from chronic insufficiency, resulting in a slow and agonizing strangling of our organs and tissues. The result? Poor circulation is a factor in many chronic medical conditions, including diabetes, high blood pressure, arthritis, and liver and kidney failure. The restriction of life-giving microcirculation is a significant factor in the development of many diseases, as well as accelerated aging. In cancer, damage to small blood vessels may cause “leakiness,” and this tendency may be a factor in spreading malignant cells to other areas.

Live Life eXponentially!



Circulation Starvation

When life-giving nutrients and oxygen cannot be delivered by red blood cells that simply cannot squeeze through restricted capillaries, the cells deep within the tissues and organs begin a slow circling of the drain. Cells that are left out of the vital oxygen-carbon dioxide exchange cycle are simply doomed, and if they don't die, the next version of the cell will have less of the DNA needed to produce healthy cells.

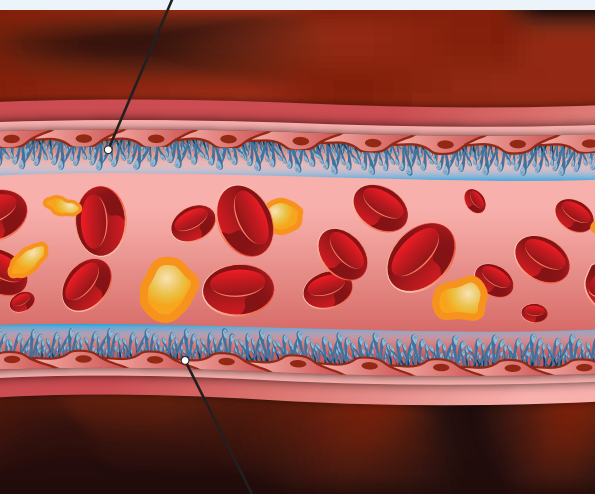
Our newest clinical associate, Hans Vink, is a world-class circulation researcher, and I know beyond a shadow of a doubt that he has discovered, through many years of research, the key to the problem and the solution for circulation starvation. I urge you to view the videos he has taken of the degradation and restoration of the vital glycocalyx matrix that lines our small capillaries and provides a silky lubricated lining that permits red blood cells to do the unthinkable, squeeze through tiny vessels much smaller than themselves.

The studies from people with deficient microcirculation show red blood cells struggling to circulate and advance, but stiff vessels with little or no glycocalyx lining cause them to get "stuck." This creates a major traffic jam and often small capillaries are actually broken from the added pressure. This process naturally starves the tissues of oxygen, resulting in inflammation and cell death that further complicate and reduce circulation. In the kidneys, for example, this leads to the ischemia (lack of blood supply) that results in protein loss and a backup of metabolic waste into the blood stream.

In some tissues, such as large muscles, poor microcirculation may not be that noticeable until it gets severe (muscle cramps, loss of strength). However, the brain, heart, kidneys, and liver can really be damaged by poor circulation. Chronic kidney failure, in fact, is most often caused by poor blood flow, which becomes more of a problem with advancing age. Diabetics have varying degrees of microvascular "complications," which can also lead to heart attacks and strokes. Cancer is also very often related to poor oxygenation and dwindling blood supply. It is interesting to note that if you do not have established high blood pressure doctor's would aim for BPs around 120/80, but once you have high blood pressure the goal is below 140/90. This makes sense as it simply takes more pulse pressure to deal with flagging microcirculation and get blood into crucial tissues such as the heart muscle.

Healthy
Blood Vessel

The glycocalyx, the micro-thin gel layer that lines the inside of arteries, microcirculation and veins.



Dense gel (glycocalyx) serves as a barrier to oxidants, fats and cholesterol.*

"Endothelial glycocalyx plays an important role in protection of the vascular system against atherogenic challenges associated with cardiovascular disease. Also, the glycocalyx is involved in the physiological regulation of organ perfusion, which is important for an effective delivery of nutrients and hormones to their target cells."

Dr Hans Vink

“Taking two Q Prime twice daily stimulates healthy circulation by restoring the elasticity and glycocalyx lining in small arteries and capillaries.”



Q Prime

In 1931, Dr Otto Warburg won the Nobel Prize for science on the basis of his discovery that cancer cells cannot grow in a high oxygen environment: “The prime cause of cancer is the replacement of the normal oxygen respiration of body cells by anaerobic (without oxygen) cell respiration.” At that time, however, there was no ready solution other than lots of exercise, etc. Now we have Q Prime to help us restore our healthy circulation.

Taking two Q Prime twice daily stimulates healthy circulation by restoring the elasticity and glycocalyx lining in small arteries and capillaries. Over time the health benefits of improved circulation will manifest, and the gains should continue as long as you take it and well beyond. In addition, the ingredients have been shown to improve health for reasons other than circulation.

- Q Prime is very well-tolerated and has no noted side effects.
- It can be taken with or without food, but I like to take it before meals as that assures better absorption.
- It can be taken with other supplements without concerns, especially Q Max and Q Biotics, as the three work synergistically

I know that many of you are curious as to how long Q Prime takes to work, and how long you should take it. Rome was not built in a day, and it takes many years to damage the microcirculation to the point where it is an issue, so be patient and you will see results sooner or later. Objective, measurable improvements in circulation have been noted after a month or two in many. If it is feasible, keep taking it as long as you can, as the ingredients are beneficial and non-toxic.





Return to your Prime

Now comes Q Prime, much to our mutual delight! As a physician I can speak about the direct health benefits of this formula with regards to the many health conditions and risks it addresses from that standpoint. As a company, by FDA regulations, we cannot, as yet, say that Q Prime cures or ameliorates major health risks and conditions. However, that day will come, and in the meantime we are all permitted to say that this product makes you feel better by improving microcirculation! Since microcirculation is a physiologic subject, we can forward the concept that Q Prime does improve circulation into organs and tissues, thereby improving the delivery of vital nutrients and the removal of metabolic wastes.

All of us who were present to hear Hans Vink's presentation, as well as Bob Long's, at the recent Summit were impressed and blessed by their genius and scientific understanding of microcirculation as the basis of good health. And as such, we are all on a very clear trajectory towards bringing the value of microcirculation enhancement to the world! Leave it to Q Sciences to somehow miraculously align with the best and the brightest, and to bring that to you all for your benefit and dispensation.

Best,

Dr. K!