

How Does Provant Treat Pain?

Increased Endogenous Opioid Expression

May 2014 Newsletter

We have been reviewing how Provant treats pain two ways: anti-nociceptive analgesia and anti-inflammatory. Last month we focused on cytokine and edema-related genes, which second messenger activity regulates. This newsletter focuses on the analgesia effect. By increasing endogenous opioid expression, Provant helps turn off pain signals at the nerve ending.

This table summarizes the effect:

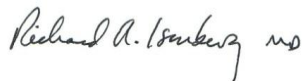
β -Endorphin, Met-Enkephalin, Dynorphin	β -Endorphins, Met-Enkephalins, and Dynorphins bind to the same opioid receptors used by morphine and decrease pain signals from the nociceptors. This provides analgesia.	↑ 2-3 fold
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The June newsletter will focus on how Provant affects inflammation resolution related genes. To learn more about Provant's mechanism of action, please contact your local Regenesys representative, or visit <http://bit.ly/1nvVhSr>

And remember: FDA has cleared the use of Provant for patients with metallic implants in the area of treatment. This includes metal joints, rods, plates, screws, and pins.



Sincerely,



Richard Isenberg, MD
Vice President, Clinical and Regulatory Affairs