

# Migraine Disease

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## INTRODUCTION

Evidence from animal experiments shows that the brain stem is involved in the pathophysiology of migraine (Weiller, C., May, A., Limmroth, V. A., Jüptner, M., Kaube, H., Schayck, R. V., ... & Dlener, H. C. 1995). Despite the attention paid recently to the role of central sensitisation in migraine pathophysiology, in our view, neuronal hyperexcitability depends on activation of peripheral nociceptors (Olesen, J., Burstein, R., Ashina, M., & Tfelt-Hansen, P. 2009). Another study has reviewed that confirms (1) vasodilatation is indeed a source of pain in migraine; (2) this dilatation does not involve the intracranial vasculature; (3) the extracranial terminal branches of the external carotid artery are a significant source of pain in migraine ( Shevel, E. 2011). I suppose the migraine occurs in one of the blood vessels in the brain, (specifically the arteries of dura mater) that may occur because each of the eye and the auditory nerve, and the heart (which has a role in the pulse of cerebrospinal fluid) are exposed to special frequencies and wavelengths.

## METHODS

In fact, through the experience of using some silica stones, or gemstones (e.g., Cornelian, Citrine, Quartz) especially when I put them on the front area; or on the pterion of the head. As shown by the experience of a pregnant woman who suffered from migraines, Quartz were placed on the front and lateral areas of her head, and within less than half an hour the pain began to disappear completely.

In another experiment, migraine sufferers used henna ("Lawsonia inermis") as a powder especially after mixing it with water to make a paste, and then covering their head with that paste. Because henna leaves contain chemical compounds such as "lawson" that give a dye that absorbs ultraviolet rays, and its solutions are effective sunscreen.

## CONCLUSIONS & DISCUSSION

The piezoelectric biosensors are summarized for determination of viruses, bacterial and other cells, proteins, nucleic acids and small molecules as drugs, hormones and pesticides (Skládal, P. 2003). Therefore, I suggest that the regular frequencies of quartz and agate in turn help the affected cells in their frequency control, and that the immunity of the body can detect the vibrations of viruses or bacteria that cause damage to cells, thus making it easier for the immune system to get rid of them. Another study conducted on piezoelectric quartz crystal sensors quartz using lipids various properties for highly sensitive detection of chemical vapors, has been explained that these sensors were shown to have sensitivity of the same order as the humans' sense of smell ( $10^{-5}$ – $10^{-6}$  w/w in liquid paraffin) when measured using standard odorants (isovaleric acid, skatole, etc.) (Yano, K., Yoshitake, H., Bornscheuer, U. T., Schmid, R. D., Ikebukuro, K., Yokoyama, K., ... & Karube, I. 1997). Another study has shown that RPS performed on agate revealed a piezoelectric effect comparable in magnitude to that in single-crystal quartz (Aufort, J., Aktas, O., Carpenter, M. A., & Salje, E. K. 2015). Because both agate and quartz have piezoelectric properties that allow signals to pass through them, the brain's electrical waves, which are placed on the quartz crystal (which is located on the scalp), expand and contract, producing vibrations at a regular rate. The vibrations produced by the crystallization of aloe or agate play a role in the reorganization of damaged blood vessels, as well as contribute to regulate the pulse of cerebrospinal fluid, and thus reduce the pain of migraines. As the results of another study conducted on the choice of the coating chemistry that could be used for the immobilisation of oligonucleotides onto the gold surface of the quartz crystal, have shown that immobilisation of a biotinylated probe on streptavidin linked to a layer of carboxylated dextran provides higher sensitivity for the detection of the hybridisation reaction, absence of non-specific adsorption and a higher stability with respect to the regeneration step (Tombelli, S., Mascini, M., & Turner, A. P. 2002). Therefore, migraine causes disorders the arteries of both dura mater and pia mater as well as the extracranial arteries such as the scalp arteries, and thus makes them more sensitive to external radiation, which increases the pulse of those blood vessels. Moreover, the use of gems and silica stones and the placing of henna paste on the scalp in turn helps to reset the vibration of damaged arteries as well as in blocking the rays and thus contribute to the elimination of migraine pain. Therefore, scalp arteries play an important role in the process of getting rid of migraine pain.

Where it was found through the experience that sand stone useful when placed on the scalp to get rid of negative thought and anxiety and fear.

If we put several crystals of quartz and garnet in a glass bowl filled with water, and lef

under the moonlight for several hours every night, until the end of the moonlight, and then we used that water to drink, it may benefit from the elimination of some diseases.

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