

Migraines: Calcium Salts & Bruxism

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ARTICLE INFO

Received: 📅 November 17, 2020

Published: 📅 December 02, 2020

Citation: Paul T E Cusack. Migraines: Calcium Salts & Bruxism. Biomed J Sci & Tech Res 32(2)-2020. BJSTR. MS.ID.005227.

Abstract

In this paper, we provide a theory of what causes migraines. We consider that calcium salts cause gallstone that make their way to the vines in the brain. Secondly, we recognize that bruxism is a cause of migraines.

Keywords: Migraines; Calcium Salts; Bruxism

Mini Review

In this paper, we hypothesize what may be the cause of migraines. Migraines are throbbing headaches on one hemisphere. I hypothesis that the problem lies in the buildup of blood pressure in one hemisphere. The brain has ventricles and blood vessels. Perhaps a plaque builds up in the brain? Perhaps there is too much serotonin that is a vasoconstrictor? But that would not explain why it is only one hemisphere that throbs. So, perhaps there is a clogging of one of the arteries or veins that go to the brain. What

could be clogging the vein?.

My first though was beta amyloid. It is a protein. Then I recalled that my mother had gallstone that caused here tremendous headaches. I wondered if gallstone formed from cholesterol and calcium sales. My mother could not drink Milk (Calcium) as she was lactose intolerant. I recall that she was often sick to her stomach. This could be caused by excess acid or serotonin in the gut. The gut has 80% od the serotonin in the body [1-4].

Serotonin and Testosterone (Figure 1)

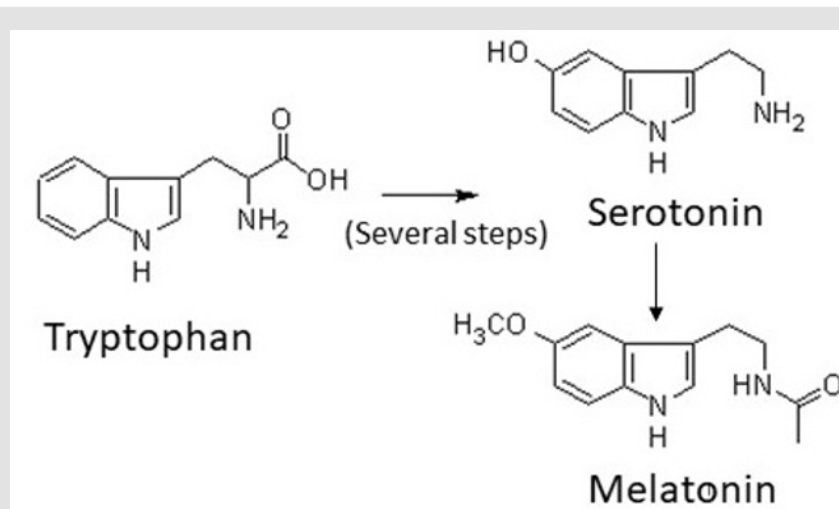
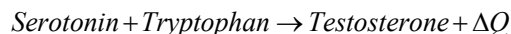


Figure 1: Formation of Serotonin and Melatonin.



$$176.21 + 204.23 = 288.47 + \Delta Q$$

$$\Delta q = 91.97 \sim 92$$

$$92 \times 6.023 = 554$$

$$e^{0.554} = 1.7228 \sim \sqrt{3}$$

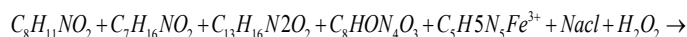
$$S = \Delta Q / T$$

= 91.97 / (273.15 + 37) = 296.5 ~ 297 = 3 hours - 3 days for a migraine

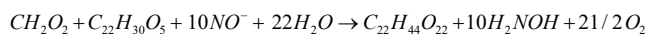
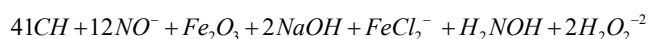
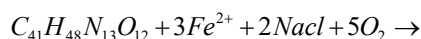
$$91.97 \times (3.14159) = 288.93 \sim \text{Testosterone amu}$$

Migraines are presents in more boys than girls, but 2 to 3 times more women than men.

Melatonin

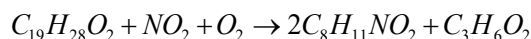


Dopamine + Acetylcholine + Melatonin + Caffeine and Adenine+ Iron and Chlorine (Neurotransmitter) + Hydrogen Peroxide →



Dihydroxy-Carbene + Cortisol (STRESS)+WATER → Sugar Hydroxylamine

The excess sugar makes the bodily system acidic.



TESTOSERONE DOPAMINE PROPRIONIC ACID

amu

$$C_{27}H_{46}O \quad 386.654$$

$$SO_4 \quad 96.06$$

$$O_2 \quad 32.00$$

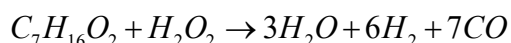
$$\Sigma 514.714 \times 6.023 \text{ (Avogadro)} = 31.00 \quad 12^{\text{th}} \text{ prime Number}$$

$$514.714 + 146.210 = 3980$$

$$TE = M(0.15915)$$

$$= (-25)(0.15915) = 3979 \quad \text{Cf. } 3980$$

Acetylcholine is a neurotransmitter that works on the PNS (cranial nerves and spinal nerves). Its chemical formula is: $C_7H_{16}O_2$. If we add this to hydrogen peroxide, we get the protein membrane potential ion CO. The formula is:

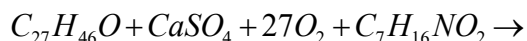


Acetylcholine + Hydrogen Peroxide + Oxygen → Water + Hydrogen (g) + Nerve Ion

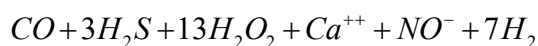
Too much acetylcholine results in too many negative ions affecting the flow of the nerve signal.

Cholesterol and Calcium

Serotonin is a Vasoconstrictor. This means that blood vessels would be narrowed causing pain found in migraines. The brain can feel no pain as it has no nerves to that sense pain. Serotonin is also found in the gut. This in combination with the acid produced would lead to nausea. Drinking milk (Ca^{++}) leads to too much serotonin that leads to vasoconstriction and thus a buildup in blood pressure in the brain and thus head arches.



Cholesterol + Calcium Salts + Oxygen + Acetylcholine →



Pr + Pr + Toxin + (Calcium)+ Pr + Acid (Nausea) (Figure 2).

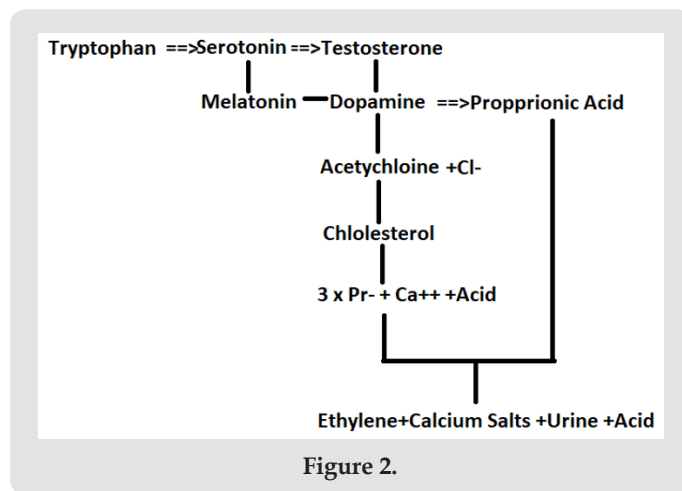
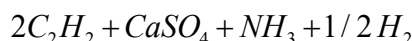


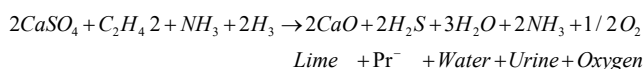
Figure 2.



Propionic Acid + Pr + Pr + Pr + Calcium →



Ethylene + Calcium Salts + Urine+ Proton Acid



Cholesterol and Calcium Salts produce gallstones. There could be a connection between gall stones and migraines. The gallstones

could migrate to arteries leading to the brain and cause blockages causing blood pressure in the brain to cause pressure leading to migraines. Ocular migraines could be caused by a blockage in the Vertebral Arteries and /or Ophthalmic Artery. I am told by G.H. that migraines can be stopped by getting the left ear pierced in a certain spot -General Somatic Efferent Neuron. The spot is linked to Trigeminal CN5. This is the only CN that is linked to the entire brain stem- Medulla, Pons, Mid Brain.). I cannot certify this is true or not. The pulse is felt in the spot which show a linkage to migraines (Figure 3).

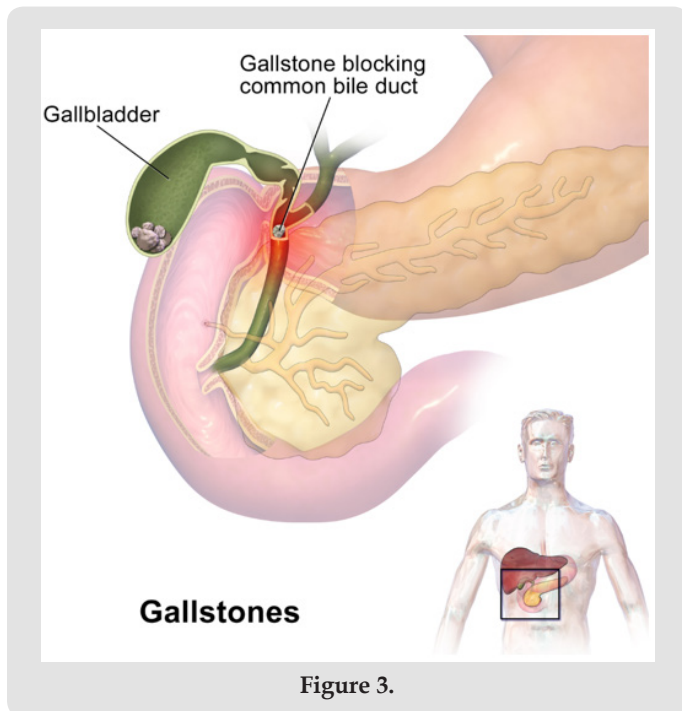


Figure 3.

Migraine Triggers

Smell Sensitivity + Sound Sensitivity +Slight Sensitivity

$$\sqrt{3+\pi+1/\pi}=5.1919$$

$$e^{0.51919}=179.8\sim 180=\pi \text{ rads}$$

$$e^{1.1447}=\pi$$

15% of the population have migraines.

$$t=E^2+E-2$$

$$=13^2+13-2$$

$$=180$$

$$=\pi$$

=Hearing

$$E=1/t=1/\pi=\text{freq}=1/\text{Period T}$$

$$T=\pi$$

GMP:

$$t^2-t-1=E$$

$$\pi^2-1=57.29=1 \text{ rad}$$

$$E=1=t$$

CN 5 and Bruxism

The CN 5 originates in the brain stem, the spinal trigeminal nucleus, and travels through the foramen ovale. The branches of CN 5 are connected to muscles in the skull (temporalis) and the jaw (masseter, medial and lateral pterygoid muscles). Bruxism, or grinding of the teeth, may be the cause of migraines.

$$\text{CN5}=\text{Trigeminal} =\text{Hearing} /3=\pi/3\sim 60^\circ$$

$$t=\pi$$

$$\pi/(\pi/3)=3=c=3 \text{ hours -3 days} =\text{duration of migraine}$$

For Ocular Migraine

$$\pi/(1/\pi)=\pi^2=0.9869$$

GMP:

$$0.865\sim \sin 60$$

For Olfactory Migraine

$$\pi/(\text{sqrt}3)=1.814$$

$$\text{GMP: } E=0.476$$

$$TE=3+0.865+0.476=23.03$$

$$\text{Ln } 23.036=3.136=0.3187=1/\pi$$

Conclusion

Migraines are caused by Calcium salts, and secondarily by Bruxism.

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ISSN: 2574-1241

DOI: 10.26717/BJSTR.2020.32.005227

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