Subject: Too Much Vibration
Posted by Jazzy on Sun, 12 Aug 2018 18:07:09 GMT
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What happens to the body when it's exposed to loud music for a long time? I know it can damage the hearing, but what about the other parts of the body when it is subjected to too much sound vibration?

Subject: Re: Too Much Vibration
Posted by gofar99 on Sun, 12 Aug 2018 20:47:29 GMT
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Hi, A funny question. I suppose if it is intense enough you could cause local heating. However, I doubt seriously that anyone has ever been so exposed. The sound level would have to be huge.

Subject: Re: Too Much Vibration
Posted by Jazzy on Thu, 16 Aug 2018 07:57:41 GMT
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gofar99 wrote on Sun, 12 August 2018 15:47Hi, A funny question.

Indeed, it is funny. However, it can be a serious matter as well. People in the old days find it funny when some will say that smoking can kill you. I think nobody has studied the effect of too much vibration for internal organs.

Subject: Re: Too Much Vibration
Posted by Rusty on Thu, 16 Aug 2018 14:03:21 GMT
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An interesting article on NASA's approach to minimize launch noise from destroying their new spacecraft.
https://interestingengineering.com/nasa-sound-suppression-system-prevents-rocket-from-explodin
g

Subject: Re: Too Much Vibration
Posted by Jazzy on Fri, 17 Aug 2018 07:03:15 GMT
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Rusty wrote on Thu, 16 August 2018 09:03An interesting article on NASA's approach to minimize launch noise from destroying their new spacecraft.
https://interestingengineering.com/nasa-sound-suppression-system-prevents-rocket-from-explodin
g

This principle of converting sound energy into heat energy is simply amazing. There is always something we can learn every day. The article mentioned that the bubbles absorbed the energy. Is that the reason for the white cloud of smoke when the space shuttle lifts off?

Subject: Re: Too Much Vibration
Posted by Junior on Tue, 21 Aug 2018 03:03:36 GMT
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This is amazing because I never thought about the sound energy more powerful than the heat energy produced by the engines. The explanation in the article was clear that the white smoke produced during liftoff is the steam from the water.

Subject: Re: Too Much Vibration
Posted by AudioFred on Tue, 21 Aug 2018 21:00:36 GMT
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One treatment for kidney stones is extracorporeal shock wave lithotripsy (ESWL). ESWL uses sound waves to create strong vibrations (shock waves) that break the stones into tiny pieces that can be passed in the patient's urine. The procedure lasts about 45 to 60 minutes and can cause moderate pain, so sedation is often used.

Some kidney stone patients who couldn't afford ESWL exposed themselves to rap music at extremely high sound pressure levels instead. This had no effect on their kidney stones, but it destroyed their brains, so they no longer felt pain, or anything else.

Subject: Re: Too Much Vibration
Posted by Wayne Parham on Tue, 21 Aug 2018 22:27:07 GMT
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"Brains fried from loud rap music."

I wasn't going to chime-in on this thread, but now I feel we've reached my level and so I can be comfortable with my comment:

Loud bass might make a brown note.

Subject: Re: Too Much Vibration
Posted by johnnycamp5 on Wed, 22 Aug 2018 21:23:17 GMT
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Subject: Re: Too Much Vibration
Posted by AudioFred on Thu, 23 Aug 2018 01:23:38 GMT
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Wayne Parham wrote on Tue, 21 August 2018 17:27
"Brains fried from loud rap music."

I wasn't going to chime-in on this thread, but now I feel we've reached my level and so I can be comfortable with my comment:

Loud bass might make a brown note.

Wayne Parham's pro subwoofers do that all the time, but only when they're driven by a Schiit amplifier. http://www.schiit.com/products/ragnarok

Subject: Re: Too Much Vibration
Posted by Jazzy on Thu, 23 Aug 2018 13:32:18 GMT
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AudioFred wrote on Tue, 21 August 2018 16:00This had no effect on their kidney stones, but it destroyed their brains, so they no longer felt pain, or anything else.

I like your explanation. A pain reliever that makes you wanna dance. I guess some of them have no kidney stones but are plain stoned.

I never imagined that this topic will go this way. Do you know of someone who reached a brown note?