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## New Data Explains Why Humans Hate The Sound Of Fingernails On A Chalkboard

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(RTTNews) - A new study may have discovered why the sound of fingernails on a chalkboard is so off-putting to the human ear.

According to the study, the shape of the human ear may, in fact, amplify certain harsh sound frequencies created by the common classroom sound.

The study was conducted by musicologists Michael Oehler of the Macromedia University for Media and Communication in Cologne, Germany, and Christoph Reuter of the University of Vienna.

With the study, researchers also discovered that human perception also had a major effect on the sound of fingernails on a chalkboard.

For their research, they split a pool of test subjects in two, telling one half they were listening to contemporary music and the other half the true source of the sound. Those who thought they were listening to music rated the sound as more pleasant.

Oehler said the study produced new information about the specific frequency range that makes the sound so displeasing to the human ear:

"We did not know the exact range," Oehler said in a news release. "The influence of pitch information was greater than we thought."

by RTT Staff Writer

For comments and feedback: [editorial@rttnews.com](mailto:editorial@rttnews.com)

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11/12/11	PSDV	ILUVIEN (NDA resubmission)	FDA decision on ILUVIEN for the treatment of diabetic macular edema
10/28/11	PCRX	Exparel (Amended NDA)	FDA decision on Exparel for postsurgical pain management
10/28/11	BMY	Dapagliflozin (NDA)	FDA decision on Dapagliflozin as a proposed treatment of adults with type 2 diabetes mellitus.
10/17/11	TEVA	AZILECT (sNDA)	FDA panel to review AZILECT for adnl indication in treating patients with idiopathic Parkinson's and treat the signs and symptoms of Parkinson's disease as initial monotherapy and as adjunct therapy to levodopa

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