

# Los Angeles Periodontist Discusses Filling Composite That Eliminates Bacteria And Regenerates Teeth

General Article (Non-News)

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## Summary

New Fillings Carry Antibacterial Properties That Could Replace Common Conventional Fillings

## Message

BEVERLY HILLS, CA (SEPTEMBER 2012) "Because filling a cavity is a commonly performed procedure aimed at stopping further tooth decay, researchers have recently developed a new filling composite that not only fills the cavity, but can also kill the bacteria that tends to remain on the tooth and further ensures the health of the teeth and gums. Traditionally, conventional fillings are placed after a dentist clears out as much decay as possible from the cavity. Though the cavity is remedied by the composite, bacteria can still linger. Scientists have addressed this issue by developing a revolutionary new filling composite that not only kills the bacteria but also remineralizes the tooth. Top [Los Angeles Periodontist](#) Dr. Alex Farnoosh states, "Because fillings are standard dental procedure, this discovery is exciting in what it could mean for maintaining better oral health. While a filling is an essential step in preserving a beautiful smile, this new filling goes beyond just fixing a problem to actually eliminating it thereby ensuring better dental habits and overall wellness."

Led by Huakun Xu, PhD., MS, director of the Division of Biomaterials and Tissue Engineering at the University of Maryland Department of Endodontics, Prosthodontics and Operative Dentistry, the team successfully created the composite by examining the details of tooth decay in how the bacteria develops in the biofilms and plaque on the surface of the tooth. Knowing that the bacteria are the main agent in causing cavities, researchers created a composite that actively destroys the bacteria and remineralizes the tooth. In addition to this, Xu and his team also added antibacterial properties to the primer dentists first use on the drilled out cavity and added the same antibacterial properties to the adhesive that binds the filling to the tissue of the tooth. This triple attack of the cavity targets the decay in all stages of the filling process so that the bacteria are completely eliminated. Though the far spread use of these cavity-fighting fillings may be a while off, the novel filling composite establishes a new process that may one day become standard practice in the fight against tooth decay.

As a pioneer in the dental field, Dr. Alex Farnoosh is an expert in fighting advanced periodontal disease in addition to the [cosmetic and surgical procedures](#) performed at his practice in Beverly Hills. Dr. Alex Farnoosh states, "Tackling cavities as early as possible is essential to maintaining healthy teeth and gums. Because tooth decay can advance quickly, fillings are an important tool that can stop the further deterioration of the tooth and protect the health of the surrounding tissue and teeth. I am excited to see what the future holds with respect to this new filling composite and look forward to more developments in this area."

## About The Total Smile:

The Total Smile was founded by Beverly Hills Periodontist Dr. Alex Farnoosh. Serving patients from around the globe at his Beverly Hills office for over 25 years, Dr. Farnoosh has proven expertise in the field of dentistry and offers many unique cosmetic and surgical services. Dr. Farnoosh specializes in [dental implants](#), laser periodontal surgery, gum and bone grafting and his novel gum bleaching approach for treatment of dark and discolored gums and his lip-lowering treatment for a gummy smile. Dr. Farnoosh has been recognized by the Consumers' Research Council of America (CRC) as one of America's top dentists in their annual report since 2008. To learn more about Dr. Farnoosh and how to achieve The Total Smile, visit: [www.thetotalsmile.com](http://www.thetotalsmile.com)

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