



DR PANAHPOUR  
THE SYSTEMIC DENTIST

## Biomimetic Materials Used to Protect and Strengthen Teeth

Systemic Dentist ~ November 12, 2018

Kevlar, the same material used to make bullet-proof vests, can be used as a [biomimetic](#) or "life mirroring" alternative material to mercury amalgam for fillings and tooth restoration.

The man creating "bullet proof teeth" (or, at least bullet proof fillings) for patients is Dr. Alireza Panahpour, a holistic, biological dentist best known as one of the world's most experienced dentists in safe, S.M.A.R.T. mercury amalgam removal using the Huggins Protocol.

Dr. Panahpour turned to Kevlar as an ideal biomimetic material to help patients save their teeth instead of having them replaced with dental implants. As a candidate for a Fellowship with the American Academy of Ozonotherapy, Dr. Panahpour uses ozone to clean and kill decay from teeth so that the tooth structure can be saved and then reinforced with life-like ribbons of Kevlar.

Dr. Panahpour is known for healing chronic conditions via removal of metal fillings and non-invasive dental treatments that are integral to systemic health. In this video, he is removing mercury amalgam from the patient's teeth, removing and killing decay with ozone, and restoring the patient's tooth with Kevlar.

This high-strength material was first commercially used in the early 1970s as a replacement for steel in racing tires. Despite it being a fibre, Kevlar has an extremely high strength-to-weight ratio, often quoted as being 5 times stronger than an equal weight of steel.

The kevlar chains are relatively rigid and tend to form mostly planar sheets, similar to those of silk. The sheets have a very high tensile strength, and also stack radially, like the spokes on a wheel, allowing additional interactions between the face-to-face aromatic groups on neighboring sheets to help to increase the strength of the overall fibre.