MEET THE INVENTOR OF MTA

The year was 1993, and Dr. Mahmoud Torabinejad saw an opportunity to develop a substance that would replace the mercury and lead-laden amalgam then used for root canal surgery. His creation was mineral trioxide aggregate (MTA), a compound mixture of hydrophilic tricalcium silicate, tricalcium oxide, and tricalcium aluminate with additional oxides.

Nearly 2 decades later, the Journal of Endodontics identified Dr. Torabinejad as the top cited author in the field. He is a professor and directs the Advanced Specialty Education Program in Endodontics at Loma Linda University School of Dentistry, where he initially tested MTA.