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Nota di contenuto	Pulp and periradicular pathways, pathosis, and closure / Mahmoud Torabinejad -- Chemical properties of mineral trioxide aggregate / David W. Berzins -- Physical properties of mineral trioxide aggregate / Lawrence Gettleman and Ricardo Caicedo -- Use of MTA in vital pulp therapy / Till Dammaschke, Joe Camp, and George Bogen -- Use of MTA in teeth with necrotic pulps and open apices / Shahrokh Shabahang and David Witherspoon -- Use of MTA in regenerative endodontics / Mahmoud Torabinejad, Robert P. Corr, and George T.J. Huang -- Use of MTA as root perforation repair / Mahmoud Torabinejad and Ron Lemon -- Root canal obturation with MTA / George Bogen, Ingrid Lawaty, and Nicholas Chandler -- Use of MTA as root end filling / Seung-Ho Baek and Su-Jong Shin -- Calcium silicate-based cements / Masoud Parirokh and Mahmoud Torabinejad.
Sommario/riassunto	Mineral trioxide aggregate (MTA) was developed more than 20 years ago to seal the pathways of communication of the root canal system. It's currently the preferred material used by endodontists because of its

superior properties such as its seal and biocompatibility that significantly improves outcomes of endodontic treatments.Dr. Torabinejad, who was the principle investigator of the dental applications of MTA, and leading authorities on this subject provide a clinically focused reference detailing the properties and uses of MTA, including vital pulp therapy (pulp capping, pulpotomy), apexifi