

The Expanded Tentacles of Laser in Dentistry

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The appearance of new concepts explaining how light can be used to more precisely interact with tissue. Based on those concepts it is certain that the development of additional devices will follow soon after. Using the femtosecond titanium: sapphire laser for non-thermal photo ablative decomposition is but one area of recent investigation that could significantly change the way laser light can be used to ablate tissue with minimal collateral injury.

The initiation of photochemical reactions with laser light after the topical or parenteral administration of drugs or other photosensitizers are exciting new research ideas. This expanded our knowledge of how lasers can be used to effectively treat a number of conditions, like inflammatory, premalignant and malignant conditions, that currently are either poorly treated or untreatable today.

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