

THE SHIFTING PARADIGM - DENTISTRY TO MICRODENTISTRY

‘We have all kinds of limitations as human beings. We can't see the whole electromagnetic spectrum; we can't see the very small; we can't see the very far. So we compensate for these short comings with technological scaffoldings. The microscope allows us to extend our vision into the micro-sphere.’ – JASON SILVA

The past few years have been an incredible years for technological advances in dentistry. We have seen new technologies emerging such as Lasers, innovating imaging techniques, Dental Operating Microscope etc having a huge number of applications in dental field. Not only these advances made dentistry more efficient, but also comfortable for the patient.

Micro dentistry is a science-based tool of operative dentistry, and is an alternative to traditional dentistry. Micro dentistry involves the use of magnification and illumination, along with state of the art technologies, to diagnose and treat dental problems at the earliest possible stage with the help of Dental Operating Microscope.

Dental microsurgery uses a dental operating microscope (DOM) and fiber optic lighting system with specially designed microsurgical instruments and microsutures. Dentists use a DOM to magnify the area, proving a more precise view. DOM has begun to replace the demand for dental loupes, which operates like a magnifying glass. Unlike dental loupes, dental operating microscope provides better magnification of up to magnifying the surgical area 20 times its original size, which is just 3 to 6 times of vision in traditional dental loupes.

Microscope Enhanced Dentistry is a new skill level in Dental Care. Dentists have started using the Microscope to perform all procedures in Dentistry to achieve improved clinical outcomes. One can master with proper training and practice.



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