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Microsurgery in periodontics: An advanced surgical technique- A review**Shwetambari R Navale**

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The main aim of a surgical intervention is no longer only the survival of the patient or one of his organs, but the effort to preserve a maximum amount of function and to improve patient comfort. These demands are mostly met owing to a minimally invasive surgical approach. The introduction of the microscope into precision dental practice is one of the greatest advances seen in modern dentistry. Periodontal microsurgery and periodontal plastic microscopic surgery provide a natural evolution in the progression of periodontics. Kim et al in 2001 reported the three elements of the microsurgical triad: Magnification, illumination and instruments. Using a surgical microscope and microsurgical instruments offers definite advantages in terms of improved visual acuity, superior approximation of wounds, rapid wound healing, decreased post-operative morbidity, and increased acceptance by the patients. The identification of fine anatomical structures allows for greater precision in diagnosis during surgery. While this method does require more time and expense and greater surgical skill, this is balanced by increased safety and predictability of treatment. This method diminishes surgical trauma, shortens the postoperative healing period, and produces better esthetic and functional results. Photographic and video documentation can also be carried out more easily and with more authentic results. In periodontics, microsurgery can be very useful in diagnostic procedures, crown lengthening, regenerative periodontal surgery, root coverage procedures, papilla reconstruction, smile designing and implantology. Microscope gives an advantage of minimally invasive surgical techniques. Conclusion: The use of surgical operating microscope, microsurgical instruments has opened a new era in periodontal plastic surgery.

Biography

Dr Shwetambari R Navale BDS, MDS has more than six years of diverse experience as a Clinician, Academic assistant, Researcher & Administrator with specialization in Periodontics & Oral Implantology. Her core competencies are in periodontal surgeries, LASER in dentistry, Oral Implantology and clinical diagnosis and treatment planning. She has a National level award for Best Paper in Case Report category at 40th National conference of the Indian Society of Periodontology, Hyderabad, India 2015. Her special interest is in spreading awareness about the need of dental treatment.

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