

# **Selected Laser Bibliography and Literature Review**

**Review** Bold type indicates highly recommended reading.

Academy of Laser Dentistry Website:

[laserdentistry.org/prof/edu\\_bibliography.cfm](http://laserdentistry.org/prof/edu_bibliography.cfm)

[laserdentistry.org/prof/edu\\_resources.cfm](http://laserdentistry.org/prof/edu_resources.cfm)

Amin Z. Diode lasers. *Dent Today* 1997;16(1):114-115

Amin Z. Diode Lasers: Experimental and Clinical review. *Lasers Med. Sci* 1995;10(3):157-163

Bader HI, Epstein SR. Clinical advances of the pulsed Nd:YAG laser in periodontal therapy. *Pract Periodont Aesthet Dent* 1997; 9(6suppl):6-9

Bass, LS. Treat M R. Laser tissue Welding: a comprehensive review of current and future clinical applications. *Lasers Surg Med* 1995;17(4):315-349.

Catone GA, Alling CC. *Laser applications in Oral and Maxillofacial Surgery*. Philadelphia: W B. Saunders Company, 1997 ISBN 0-7216-5020-1 This is an excellent clinical reference text.

Catone GA. Laser management of oral precancer. *Oral Maxillofac Clin North Am* 1997;9(1):97-113

**Convissar, R. Lasers and Light Amplification in Dentistry.** The Dental Clinics of North America. October 2000. This is the most comprehensive compilation of clinical laser use in Dentistry. It is highly recommended for all laser operators and has the most extensive bibliography. This publication is an in-depth, comprehensive review of all wavelengths.

New edition: October, 2004 co-edited by D. Coluzzi

**Convissar RA. Et al. laser treatment of orthodontically induced gingival hyperplasia.** *Gen Dent* 1996;44(1):47-51

Convissar RA, Gharemani EH. Laser treatment as an adjunct to removable prosthetic care. *Gen Dent* 1995;43(4):336-341

**Convissar RA & Coluzzi DJ. Atlas of laser Applications in Dentistry** Quintessence, 2007

**Convissar, RA Principles and Practice of Laser Dentistry** Quintessence, 2010

Cobb DS, et al. Physical properties of composites cured with conventional light or argon laser. *Am J Dent* 1996;9(5):199-202.

Cortez, M. Building your Practice with lasers. *Dental Economics*, February 2002, 76-80,158.

Cozean C. Powell GL. et al; Dentistry for the 21st century? Erbium:YAG laser for teeth *JADA* 1997;128(8):1080-1087.

Featherstone JDB. Et al Rational choice of laser conditions for inhibition of caries in dentistry. In Wigdor HA, Featherstone & White, ed. *Lasers in Dentistry*, San Jose Cal. Proc. Spie 2394 – The International Society for optical Engineering, Bellingham WA, 1995:57-67

Goodis HE. Et al. Absence of pulpal response from Nd:YAG laser exposure on enamel. *J Dent Res* 1992; 71 (Special Issue):162 abstract 449.

Graeber, J. The Incredible Applications of Drill-less Dentistry. *DentalTown*, November 2002,46-48

Israel M. use of the CO2 laser in soft tissue and periodontal surgery. *Pract Periodontics Aesthet Dent* 1994;6(6):57-64

**Journal of Oral Laser Applications**, European Society for Oral Laser Applications, Quintessence Publishing Co., 551 Kimberly Dr., Carol Stream Il., 60188 630-682-3223

Co-edited by Dr. Lynn Powell, Excellent case studies and photography

Laser institute of America. *Medical laser safety Reference Guide*. Orlando, Florida: Laser Institute of America, 1993.

**Manni, JG. Dental applications of advanced Lasers.** May 1996. Burlington Ma., JGM Associates, Inc., 1996. This book provides excellent explanations of laser physics . Especially useful for potential purchasers. New edition, 2003.

Miserendino LJ., Pick RM. *Lasers in Dentistry*. Chicago: Quintessence Publishing Co., 1995. ISBN 0-86715-282-6. This text is clinically oriented and is an excellent reference.

The scientific basis of lasers in dentistry is covered as well as current applications and future directions are covered.

Moritz A, et al. Bacterial reduction in periodontal pockets through irradiation with a diode laser. A pilot study. *J Clin Med Surg* 1997;15(1):33-37.

**Moritz, A. Oral Laser Application.** Quintessence, 2006

Myers TD et al. Conservative Soft tissue management with low-powered pulsed Nd:YAG dental laser. *Pract Periodontics Aesthet Dentistry.*, 1992;4(6):6-12

Neiburger EJ. The effect of low-powered lasers on intra-oral wound healing. *NY StateDent J*1995;61(3):40-43.

**Neill ME, Mellonig JT. Clinical efficacy of the Nd:YAG laser for combination** periodontitis therapy. *Pract periodont Aesthet Dent* 1997, 9(6suppl) :1-5

This article is a landmark study for laser assisted scaling and root planning. Reprinted in course manual.

Nissan J. Binderman I effect of Soft laser on bone healing of surgical defect in rat mandible. *J Dent Res* 1993;72(4):776, abstract 53.

Orchardson R. et al. Effect of pulsed Nd:YAG laser radiation on action potential conduction in isolated mammalian spinal nerves.. *Laser Med Surg* 1997;21(2):142-148.

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Orchardson R. et al. Effect of the pulsed Nd:YAG laser on nerves inside teeth. *J Dent Res* 1994;73(4):837 abstract 404.

**Parkins F. et al. Nd:YAG laser treatment of aphthous ulcers and herpetic lesions. J Dent Res 1994; 73:190, abstract 705.**

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This article outlines many of the economic advantages of Lasers in private practice.

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Sliney DH. Laser Safety. Lasers Surg Med 1995;16(3):215-225.

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Winborn DC. Practical Laser Safety, Vol. 11 of Occupational Safety and Health. New York: Marcel Dekker, Inc., 1985. ISBN 0-8247-7348-9.

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Zhang C. et al the effects of pulsed Nd:YAG laser irradiation with fluoride on root surface. J Clin Med Surg 1996; 14(6):399-403.

This article supports the use of fluoride in laser root desensitization procedures.