

Essential Principles of Lasers in the Management of Common Cutaneous and Subcutaneous Conditions



Feedback - May 2021

Essential Principles of Lasers in the Management of Common Cutaneous and Subcutaneous Conditions

Lasers are increasingly used in the treatment of a variety of conditions, as interest in less invasive treatment modalities have gained much interest and popularity in the last couple of decades. Lasers, such as pulsed dye, NdYAG and Erbium YAG Lasers, are used in many surgical disciplines, as well as to treat dermatological conditions. This interactive session aimed to introduce the attendee to the basic physics of lasers, laser-tissue interactions, the effects of lasers on tissues, the manipulation of laser parameters for effective treatment, the concepts of selective photothermolysis and thermal relaxation time, the absorption spectrum of tissues, commonly used lasers in clinical practice, and the side effects of laser treatment. The session provided a comprehensive overview of laser treatment with a focus on exam preparation, built on a sound understanding of the principles that underpin the clinical use of lasers to manage common cutaneous and subcutaneous conditions.

Learning Objectives:

By the end of this session, the attendee should be able to:

- o understand the basic physics of lasers.
- o appreciate the laser-tissue interactions.
- o understand the effects of lasers on tissues.
- o gain an appreciation of how lasers can be manipulated for effective treatment.
- o appreciate the concepts of selective photothermolysis and thermal relaxation time.
- o understand the commonly used lasers in clinical practice and the side effects of laser treatment.

Course Information

Venue:	Online via Zoom
Dates:	20th May 2021
Attendance:	10 Delegates
Aimed at:	ST3 and above trainees in Plastic Surgery; ST3 and above trainees in ENT Surgery; ST3 and above trainees in OMFS Surgery; ST3 and above trainees in Dermatology; Trainees preparing for the FRCS(Plast) Exam; Trainees preparing for the FRCS(ENT) Exam; Trainees preparing for MRCP(UK) Dermatology; Post-CCT trainees in Plastic Surgery; Post-CCT trainees in ENT Surgery; Interface Fellows in Head and Neck Surgery; Fellows in Facial Cosmetic Surgery.

Conference Fee : Free

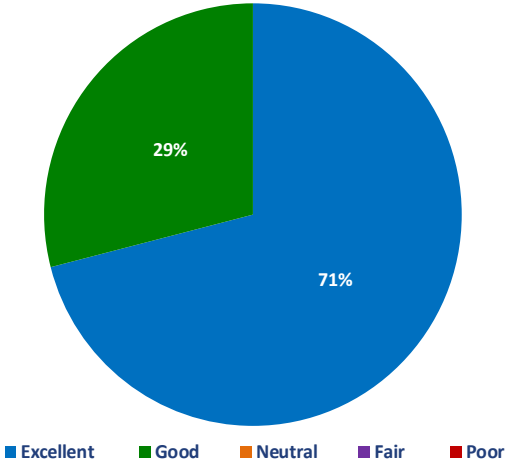
Speaker:

Mr Ramesh Vidyadharan, MBBS, MS, MCh, FRCS
Department of Plastic and Reconstructive Surgery
University Hospital of Birmingham and Birmingham Children's Hospital NHS Trust

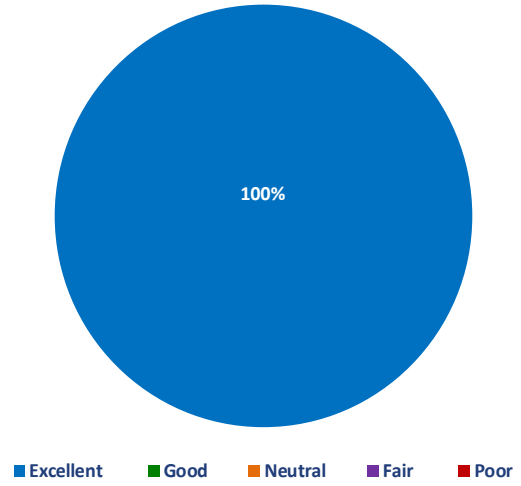


Overall Feedback

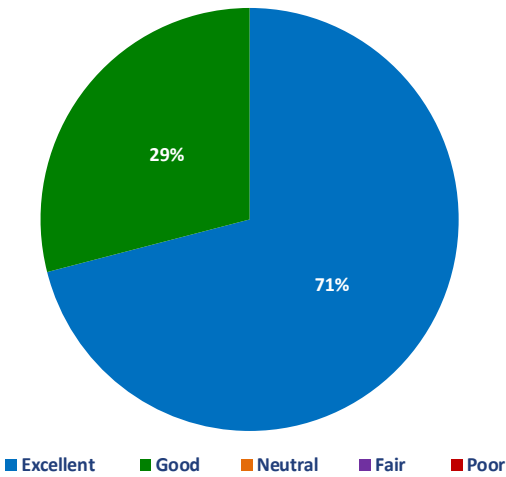
How would you rate the appropriateness of the topic to your career and/or studies?



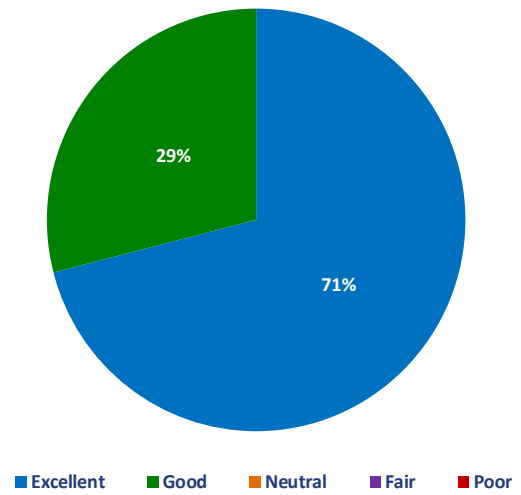
How would you rate the expertise of the speaker?



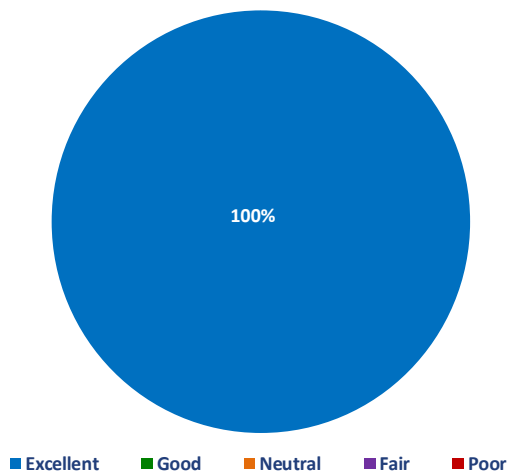
How would you rate the clarity of the information delivered?



How would you rate the content of the talk?



How would you rate the appropriateness of Zoom for the delivery of this talk?



Individual Comments

Excellent explanations of how laser works, complications, indications for different lesions.

RP

Walsall Manor Hospital, Walsall, United Kingdom



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- Structured Introduction to Surgical Skills

Postgraduate:

- MRCS Part A
- MRCEM Part A
- MRCS Part B OSCE
- DOHNS: Intensive Revision & OSCE
- Intercollegiate Basic Surgical Skills (RCSEd delivered)
- MRCP PACES Part 2
- FRCS (General Surgery) Exit Exam
- Cadaveric Ultrasound-Guided Musculoskeletal Intervention Course
- Ultrasound-Assisted Botulinum Toxin Injection for Neuromuscular Disorders
- Live Advanced Laparoscopic Colorectal Course



Forthcoming key events:

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Publications



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