

11:50 12:10	14. Luisa Spiru (Romania) Significance Of Healthy Brain Aging For Aesthetic And Anti-Aging Medicine. Cutting Edge Insights In Brain Aging Prevention	11:50 12:10	15. Nafie Abullatif Al-Muslet (Sudan) Utilization Of Nd: YAG Laser (1064 Nm) In The Treatment Of DPN.	11:50 12:10	16. Gholamreza Esmaeeli Djavid (Iran) Efficacy Of LLL (685nm) Therapy In Prevention Of Radiation Induced Oral Mucositis And Xerostomia In Patients With Head And Neck Cancer	Bader Sultan & Bros. Co. W.L.L **	Antonio Pinheiro	Lutz welden	Anu Makela	Penny J. Smalley	Gregory Absten
12:10 12:30	17. Ronald Bulbulian (KSA) The Therapeutic And Prophylactic "Anti-Aging" Effects Of Exercise.			12:10 12:30	18. Farouk AH Al-Watban (KSA) Differences Between Laser Surgery and Laser Therapy						
12:30 12:50	19. Ugur Gogus (Turkey) Antiaging And Aging Food On Preventive Medicine.										
12:50 13:00	Discussions & Questions	12:10 12:30	Discussions & Questions	12:30 12:50	Discussions & Questions						
13:00 14:00	Lunch Poster & Exhibitions	13:00 14:00	Lunch Poster & Exhibitions	13:00 14:00	Lunch Poster & Exhibitions	13:00 14:00	13:00 14:00	13:00 14:00	13:00 14:00	13:00 14:00	13:00 14:00
Day 1 Mon. Oct. 19 Session 5 Anti Aging 2 Chair: Ugur Gogus (Turkey) Hassan Al-Abdulla (Qatar) Mohammed El Shaker (KSA)		Day 1 Mon. Oct. 19 Session 6 Phototherapy /Dermatology Chair: Ashraf Badawi (Egypt) Sami Alsogair (KSA) Fathi Elkasah (Libya)		Day 1 Mon. Oct. 19 Session 7 Basic Science 2 Chair: Lutz Wilden (Germany) Gasparyan Levon (Finland) Abdallah Noman Al-Haj (KSA)			14:00 15:30		14:00 15:30		
14:00 14:20	20. Hassan Al-Abdulla (Qatar) Why Do We Age?	14:00 14:10	21. Iqbal Abdulaziz Bukhari (KSA) Effective Treatment Of Futcher's Lines With Q-Switched Alexandrite Laser	14:00 14:20	22. Gasparyan Levon (Finland) Intravenous Blood Irradiation: Current State and Future Perspectives	THERMAGE Bader Sultan & Bros. Co. W.L.L WORKSHOP NO 20 **			NO 15		
14:20 14:40	23. Hassan Al-Abdulla (Qatar) The Ageless Lifestyle			14:20 14:40	24. Mohammed Ashraf Gondal (KSA) Laser Induced Breakdown Spectroscopy And Its Applications In Detection Of Health Hazardous Contaminants						
14:40 15:00	25. Ugur Gogus (Turkey) Antiaging Supplement And Drug Interactions In Antiaging Platform And Health Concern.	14:10 14:30	26. Ali J Al-Zubaidy (KSA) The elastic pathology of the dermis leading to premature aging and presbydermia	14:40 15:00	27. Abdallah N. Al-Haj (KSA) Minimizing The Risks Of Skin Injuries From Interventional Cardiology						
15:00 15:20	28. Mohammed El Shaker (KSA) Vitamin D Deficiency And Aging	14:30 14:50	29. Adil Hamid H.Bashir (Sudan) Clinicoepidemiological Study In Sudanese Patients	15:00 15:20	30. Lutz Wilden (Germany) The Absorption Behaviour Of Oxygen And The Mitochondrial Energy Transfer – The Importance Of Electromagnetic Radiation (Light)						
15:20 15:30	Discussions & Questions	14:50 15:00	Discussions & Questions	15:20 15:30	Discussions & Questions						
15:30 16:00	Coffee Break, Posters & Exhibitions	15:30 16:00	Coffee Break, Posters & Exhibitions	15:30 16:00	Coffee Break, Posters & Exhibitions						
Day 1 Mon. Oct. 19 Session 8 Anti Aging 3 Chair: Anu Makela (Finland) Mohammed El Shaker (KSA) Entissar S. Alsuhaibani (KSA)		Day 1 Mon. Oct. 19 Session 9 Aesthetics1 Chair: Denis Guillo (French) Domingos De Paola (Brazil) Fatma Al-Shehri (KSA)		Day 1 Mon. Oct. 19 Session 10 Basic Science 3 Chair: Mihail Lucian PASCU (Romania) Mohammed A. Gondal (KSA) Moussa Habeeb (Jordan)					16:00 17:30	Penny J. Smalley	Gregory Absten
16:00 16:20	31. Entissar Sulaiman Alsuhaibani (KSA) Telomerase And Aging	16:00 16:20	32. Amal Shisha (France) Treatment Summary Of Face Profile In Aesthetic Medicine.	16:00 16:20	33. Mihail Lucian PASCU (Romania) Optical/Laser Methods To Fight Resistance To Treatment				NO 18		
16:20 16:40	34. Mohammed El Shaker (KSA) AGING BONES Past, Present And Future	16:20 16:40	35. Denis Guillo (French) Suspension Devices Improvements	16:20 16:40	36. Rozalia Dana Vieru (UK) LLL Therapy And Its Efficacy In Bone And Soft Tissue Recovery.				Ashraf Badawi,		
16:40 17:00	37. Hamza N. Aboud (Iraq) Could Be LLLT Play Role In Osteoporosis Managements?	16:40 17:00	38. Domingos De Paola (Brazil) "Round" Mini-Lift – A Simplified MACS Lift For Smoking And Elderly Patients.	16:40 17:00	39. Mohammed Ashraf Gondal (KSA) Laser Sensor For Detection Of Toxic Ingredient In Cosmetic Products For Human Use.						
17:00 17:20	40. Anu Makela, PhD, MD (Finland) Use Of Blue Light And Laser In The Treatment Of Alzheimer's Disease And Of Immuno-Neurological Diseases	17:00 17:20	41. Domingos De Paola (Brazil) The "Curl" Lifting Technique For Eyebrows Elevation.	17:00 17:20	42. Moussa Habeeb (Jordan) Advances In Pathology PACS						
17:20 17:30	43. Effat Khosru Mazaheri (Iran) Elderly heart patients training status and barrier of patients training from opinion health care workers and students university ardabil 1383	17:20 17:40	44. Fatma Al-Shehri (KSA) Structural Lipo Augmentation								
17:30 17:40	Discussions & Questions	17:40 18:00	Discussions & Questions	17:20 17:40	Discussions & Questions						
20:00 23:00	GALA Dinner The Ritz-Carlton, Bahrain Hotel & Spa										

Day 2 Tue. Oct. 20, 2009						Day 2 Tue. Oct. 20, 2009								
Time	Palm Hall	Time	Al Fanar Hall	Time	Al Seef Hall	Workshops*								
Day 2 Tue. Oct. 20 Session 11 Facial Rejuvenation Chair: Khalid Al-Ghamdi (KSA) Fouad Ansari (France) Jin Wang Kim (Korea)			Day 2 Tue. Oct. 20 Session 12 Laser In Dentistry Chair: Antonio B, Pinheiro (Brazil) Reza Fekrazad (Iran) Magdy Kamel Haman (KSA)			Day 2 Tue. Oct. 20 Session 13 Oncology Chair: Krishna Rau (India) Ahman Nasri (Canada) Heidi Abrahamse (S. Africa)			Hall A	Hall B	Hall C	Hall D	Hall E	Hall F
09:00 09:20	45. Eman M Sanad (Egypt) The art of Laser Skin Resurfacing	09:00 09:20	46. Magdy Kamel Haman (KSA) Laser Dentistry (Application, Advantage, Limitations)	09:00 09:20	47. Ahman Nasri (Canada) An Integrative Approach To Cancer Therapy.	N0 16	N0 17	N0 07	N0 09	N0 01	N0 11			
09:20 09:40	48. Jin Wang Kim (Korea) Non surgical Laser And Light Therapy For Face, Body Rejuvenation.	09:20 09:40	49. Reza Fekrazad (Iran) Applications Of Laser In Periodontology (Ten Years Of Researches And Experiences)	09:20 09:40	50. Heidi Abrahamse (South Africa) Photodynamic Therapy Of Metastatic Melanoma Cells.	Manon Pilon *	James Stoxen *	Andreas Roubas *	Antonio Pinheiro *	Anu Mäkelä *	Gregory Absten *			
09:40 10:00		51. Antonio B, Pinheiro (Brazil) Laser therapy Applications on the Dental Practice	09:40 10:00	52. Mahfooda Umran (Iraq) The combination Effects of Lectin extracted from mashrom Agricus bisporous and chemotherapy by Doxorubicin and Mytomycin-C in cytotoxicity of tumor cells (inVitro)										
09:40 10:00	53. Khalid Al-Ghamdi (KSA) Fractional Laser Therapy For Skin.	10:00 10:15	54. Mohamad Azhar Kharsa (Syria) Choosing Of Best Type Of Dental Laser	10:00 10:15	55. Xing Yang Zhang (China) PDT Effect Of Treating Undifferentiated Thyroid Carcinoma On Nude Mice									
10:00 10:20	56. Fouad Ansari (France) Neck Rejuvenation: How To Manage?			10:15 10:30	57. Mohammed Taher Omar (KSA) Treatment Of Post Mastectomy Lymphedema With Laser Therapy									
10:20 10:40	58. Tina Henrietta E. Czech (Australia) Facial Ageing Is Three Dimensional; Laser Photo-rejuvenation Beyond The Epidermis.	10:15 10:30	59. Mohamad Azhar Kharsa (Syria) Usage Of Erbium Laser For Etching In Orthodontic Bonding	10:30 10:45	60. Nasrin Zand (Iran) The Analgesic Effects Of A Single Session, Non-Ablative 10600nm CO2 Laser Therapy (NACLT) In Mild/Moderate Oral Mucositis Following Breast Cancer Chemotherapy: A Pilot Study									
10:30 10:45		61. Mohamad Azhar Kharsa (Syria) Usage Of Laser In Orthodontic Practice												
10:40 11:00	Discussions & Questions	10:45 11:00	Discussions & Questions	10:45 11:00	Discussions & Questions									
11:00 11:30	Coffee Break, Posters & Exhibitions	11:00 11:30	Coffee Break, Posters & Exhibitions	11:00 11:30	Coffee Break, Posters & Exhibitions									
Day 2 Tue. Oct. 20 Session 14 Body Sculpturing 1 Chair: Andreas Roubas (Cyprus) Ayman F El Attar (USA) Ashraf Mohamed Badawi (Egypt)			Day 2 Tue. Oct. 20 Session 15 Pain Therapy 1 Chair: Zlatko-Simunovic (Switzerland) Michael Weber (Germany) Dhiya Alhaj Houssien (KSA)			Day 2 Tue. Oct. 20 Session 16 Wound Healing/Diabetes 1 Chair: Leonardo Longo (Italy) Norman Salansky (Canada) Sadiq Abdulla (Bahrain)						11:30 13:00		
11:30 11:50	62. Andreas Roubas (Cyprus) Lipolysis	11:30 11:50	63. Michael Weber (Germany) The New Laser-Needle Acupuncture And Intravenous Laser Blood Irradiation In Clinical Applications.	11:30 11:50	64. Sadiq Abdulla (Bahrain) New Advances In Diabetic Foot Management				N0 05		N0 11			09:00 17:40
11:50 12:10	65. Ayman F El Attar (USA) Tumescent In-Office Power Assisted Laser Lipolysis (TOPAL™): A Prospective Clinical Study Of 1000 Consecutive Procedures.	11:50 12:05	66. Dhiya Alhaj Houssien (KSA) The Relief Of Chronic Low Back Pain Immediately After One Session Of LLL Acupuncture Therapy: An Evaluation Of The Effect Of Prayer After Six Months.	11:50 12:00	67. Leonardo Longo (Italy) The Effects Of Laser On Blood Glucose Levels In Patients With Diabetes Mellitus Type I And II									
12:10 12:30		68. Ashraf Mohamed Badawi (Egypt) The Combination Of 1064nm And 1320nm Lasers For State Of The Art Laser Lipolysis.	12:05 12:20	69. Nasrin Zand (Iran) Relieving Pain In Oral/Genital Aphthous Lesions Of Behcet'S Disease By A Single Lesion, Non-Ablative 10600nm CO2 Laser Irradiation (NACLT): A Pilot Study	12:00 12:20	70. Tina Henrietta E. Czech (Australia) Laser Biomodulation To Prevent Amputation Of The Hallux In A Diabetic Patient: A Clinical Case Study								
12:30 12:50	71. Franz Hasensch Wandtner (Austria) State Of The Art – Injecting Lipolysis 2009	12:20 12:35	72. Souheil S/O Guechi (France) Quasi-Thermal Laser And Gonarthrosis	12:20 12:40	73. Norman Salansky (Canada) Efficacy Of Low Energy Photonic Therapy For Chronic Skin Ulcers Of Various Etiologies									
12:50	Discussions	12:35	Discussions	12:40	Discussions									

Day 3 Wed. Oct. 21, 2009					Day 3 Wed. Oct. 21, 2009								
Palm Hall		Al Fanar Hall		Al Seef Hall		Workshops *							
Time		Time		Time		Hall A	Hall B	Hall C	Hall D	Hall E	Hall F		
Day 3 Wed. Oct 21 Session 23 Aesthetics 2 Chair: Ashraf Mohamed Badawi (Egypt) Andreas Roumbas (Cyprus) Ahmed Al Issa (KSA)		Day 3 Wed. Oct 21, Session 24 Laser Surgery 2 Chair: Krishna Rau (India) Nada Al-Yousuf (Bahrain) Hans H. Hainz (Germany)		Day 3 Wed. Oct 21, Session 25 See ** ZERONA WORKSHOP NO 21 Time 09: 00 - 10: 30								09:00 16:00	
09:00 09:20	101. Ashraf Mohamed Badawi (Egypt) Nd:YAG Laser And Hair Reduction.	09:00 09:20	102. Krishna Rau (India) Laser Application In Tracheo Bronchial Tumors.	Bader Sultan & Bros. CO.W.L.L **	ZERONA							Work Shop NO 12	
09:20 09:40	103. Andreas Roumbas (Cyprus) Treatment Of Acne Scars And Skin Rejuvenation With 1440 nm Anti-Aging Wavelength With Combined Apex Pulse (CAP) Technology.	09:20 09:40	104. Tolgay Satana (Turkey) Holmium YAG-Laser Application In Arthroscopy		WORKSHOP 21 TITLE: THE SCIENCE BEHIND LOW LEVEL LASERS SPEAKER: DR. JAMES L. OSCHMAN & DR. RYAN MALONEY DESCRIPTION: INTRODUCTION TO 635 nm LLL LIGHT THAT WILL MAKE YOU LOSE INCHES IN JUST 2 WEEKS TIME							Gregory Absten *	
09:40 10:00	105. Ahmed Al Issa (KSA) New Practical Tips In Laser	09:40 10:00	106. Hans Hermann Hainz (Germany) Surgery With Laser Enables A Paradigm Shift And Reduces Costs – Pattern Could Be Prostate Therapy										
10:00 10:20	107. Ashraf Mohamed Badawi (Egypt) Comparative Study Between The PDL And Excimer Lasers In Treatment Of Psoriasis	10:00 10:20	108. Nada Al-Yousuf (Bahrain) Use Of Lasers In Ophthalmology										
10:20 10:30	Discussions & Questions	10:20 10:30	Discussions & Questions										
10:30 11:00	Coffee Break, Posters & Exhibitions	10:30 11:00	Coffee Break, Posters & Exhibitions	10:30 11:00	Coffee Break, Posters & Exhibitions								
Day 3 Wed. Oct 21, Session 26 Aesthetics 3 Chair: Ashraf Mohamed Badawi (Egypt) Alain Tenenbaum (Switzerland) Iqbal Abdulaziz Bukhari (KSA)		Day 3 Wed. Oct 21, Session 27 LPLT Chair: Tiina Karu(Russia) Zlatko-Simunovic (Switzerland) Ryan Joseph Maloney (USA)		Day 3 Wed. Oct 21, Session 28 LASER SAFETY/ENT Chair: Lutz Wilden (Germany) Penny J. Smalley (USA) Ahmed J.Jamal (Bahrain)								Gregory Absten *	
11:00 11:20	109. Alain Tenenbaum (Switzerland) Experimental Studies Of ENDOPEEL.	11:00 11:20	110. Zlatko-Simunovic (Switzerland) LLL Therapy (LLLT) – Photo- bio-stimulation Of Acne Vulgaris Applied As Monotherapy Or Complimentary Therapy With Antibiotics.	11:00 11:20	111. Penny J. Smalley (USA) Laser Safety: Beyond Signs And Goggles.								
11:20 11:35	112. Justin Munho So (Korea) Effect On Topical Absorption Of Lidocaine Cream After Irradiation Of High Density-Mid Energy NSR.	11:20 11:40	113. Seyed Mehdi Tabaie (Iran) Comparison Of Red And Infrared LLL In Treatment Of Acne Vulgaris	11:20 11:40	114. Widad Musa Salman (Iraq) Trial Of Low Power (790-805nm) Diode Laser In Reduction Of Tinnitus Symptoms								
11:35 11:55	115. Ashraf Mohamed Badawi (Egypt) Management Of Periocular Lower Eyelid Veins.	11:40 12:00	116. Zlatko-Simunovic (Switzerland) LLL Therapy (LLLT)Applied As Mono Therapy In Treatment Of Human Pathogen Herpes Virus Recurrent Infection-Clinical Study With Randomized Double Blind(Placebo) And Control Group	11:40 12:00	117. Penny J. Smalley (USA) Clearing The Air In Surgery!								
11:55 12:10	118. Iqbal Abdulaziz Bukhari (KSA) Current Uses Of Alexandrite Laser In Dermatology.	12:00 12:20	119. Ryan Joseph Maloney (USA) Low-Level Laser Therapy As A Non-Invasive Approach For Body Contouring: A Randomized, Controlled Study.	12:00 12:20	120. Lutz Wilden (Germany) The Different Response Of The Main Symptoms Of Inner Ear Exhaustion To A Specific High Dosage LLL Therapy							Gregory Absten *	
12:10 12:30	121. Alain Tenenbaum (Switzerland) Clinical Applications Of ENDOPEEL.												
12:30 12:50	Discussions & Questions	12:20 12:40	Discussions & Questions	12:20 12:40	Discussions & Questions								
13:00 14:00	Lunch & Exhibitions	13:00 14:00	Lunch & Exhibitions	13:00 14:00	Lunch & Exhibitions								
Day 3 Wed. Oct 21, Session 29 **** Posters & Exhibitions Chair: Bernard Andres (Philippines)		Day 3 Wed. Oct 21, Session 30**** Posters & Exhibitions Chair: Xing Yang Zhang (China)		Day 3 Wed. Oct 21, Session 31 **** Posters & Exhibitions Chair: Azizah Al-Anazi (KSA)									
15:30 16:00	Coffee Break, Posters & Exhibitions	15:30 16:00	Coffee Break, Posters & Exhibitions	15:30 16:00	Coffee Break, Posters & Exhibitions								

Day 3 Wed. Oct 21, Session 32 **** Posters & Exhibitions Chair: Bernard Andres (Philippines)	Day 3 Wed. Oct 21, Session 33 **** Posters & Exhibitions Chair: Xing Yang Zhang(China)	Day 3 Wed. Oct21, Session 34 **** Posters & Exhibitions Chair: Azizah Al-Anazi (KSA)								
18:00	Closing Remark									
SEE Appendixes from 1 to 4 ▼▼▼										

Appendix 1
***Registration Fee WORKSHOP (Full Day) \$500, Workshop (1-2 hrs) \$250**
Bahrain International Exhibition & Convention Centre
18-21 October 2009
Halls A>B>C>D>E>F

Speaker Name	Hall & Day	Time	WSP. No	Title of Workshop
*Anu Mäkelä Ph.D., M.D, T.C.M.D, N.D	E,Tue.,20	09:00-11:00	1	Use of Laser and Light in the Treatment of Alzheimer's disease and Dementia.
	D,Mon.,19	10:30 -13:00	2	Use of laser and LED in the regulation of stem cell movement and release.
	E,Tue.,20	14:00-15:30	3	Use of laser and LED in the treatment of Diabetes and Metabolic Syndrome
	E,Tue.,20	16:00-18:00	4	Use of nutritional and/or medical substances for the enhancement and regulation of laser response
*Levon Gasparyan, Ph.D.	D,Tue.,20	11:30-13:00	5	Transcutaneous and intravenous use of lasers in crdiological diseases
	D,Tue.,20	16:00-18:00	6	Use of radio thermometry as a method of measurements of laser response and effectiveness.
*Andreas Roumbas, M.D, Ph.D	C,Tue.,20	09:00-11:00	7	Treatment of Acne or Postoperative Scars and Skin Rejuvenation with 1440 nm Anti-Aging Wavelength with Combined Apex Pulse (CAP) Technology.
*Antonio Pinheiro, Ph.D, M.Dent.Sci, BDS	B- Mon.,19	10:30 -11:00	8	Laser therapy Applications on the Dental Practice
	D,Tue.,20	09:00-11:00	9	Laser Surgery on the Oral Cavity
* Gregory Absten , BSc , CLRT, MBA	F,Mon.,19	10:30 -17:40	10	Laser Aesthetic Operators
	F,Tue., 20	09:00-17:40	11	Laser Surgery Operators
	F,Wed.,21	09:00-17:40	12	Laser Safety Officer
*** Penny J. Smalley, RN, CMLSO	E,Mon.,19	10:30-17:40	13	Laser Safety for Health Care Professionals
* Lutz Wilden , MD	C-Mon.,19	10:30 -13:00	14	High dosage LLL therapy of the Inner Ear Organ (Tinnitus, loss of hearing, Pressure in the ear, Hyperacusis, Dysacusis, Vertigo, Morbus Menière) and long time Therapy of severe Inner Ear Exhaustion with Low Power Laser light.
* Mihail Lucian Pascu, Ph.D	D,Mon,19	14:00-15:30	15	Laser Physics Adapted to Biomedicine needs
*Manon Pilon, Medical Spa Consultant	A,Tue., 20	09:00-17:00	16	Medical Spa concepts flow and start up overview
* James Stoxen, M.D, DC	B,Tue.,20	09:00-11:00	17	Olympic Level Sports Biomechanics : The Future of Anti-Aging Medicine
* Ashraf Badawi, MD, Ph.D	D,Mon.,19	14:00-15:30	18	Laser Rejuvenation
	C,Tue.,20	16:00-18:00	19	Light and Laser Assisted Hair Reduction, When to Use & What to Expect

Appendix 2

**Bader Sultan & Bros. Co. W.L.L. Workshops					
Hall	Worksh op No.	Date & Time	SPEAKERS	TITLES	DESCRIPTIONS
Hall B	20	Day1, Mon. Oct.19 14:00-15:30 pm	DR. RADMILLA LUKIAN	RADIOFREQUENCY TREATMENTS THERMAGE	THERMAGE USES READIOFREQUENCY TO SHAPE, CONTOUR AND TIGHTEN SKIN, ALL IN ONE SINGLE TREATMENT
Hall A	23	Day 1, Mon. Oct. 19 10:30-12:00 pm	DR MARLEN SULAMANIDZE	MINIMALLY INVASIVE METHODS FOR FACE REJUVENATION- APTOS (NON ABSORBABLE) & LIGHTLIFT (ABSORBABLE)	MINIMALLY INVASIVE LIFTING METHODS FOR FACE REJUVENATION OF FACE
Hall D	22	Day2, Tuc, Oct. 20 14:00-15:30 Pm	WILL BE PROVIDED	FRACTIONAL LASER FRAXEL	INTRODUCTION TO FRAXEL ABLATIVE AND NON-ABLATIVE PATIENT TREATMENTS
Al Seef Hall	21	Day 3, Wed. Oct. 21 09:00-10:30 Am	DR. JAMES L. OSCHMAN & DR. RYAN MALONEY	THE SCIENCE BEHIND LOW LEVEL LASERS ZERONA	INTRODUCTION TO 635 nm LLL LIGHT THAT WILL MAKE YOU LOSE INCHES IN JUST 2 WEEKS TIME

Appendix 3,

Workshop No 13, Hall E, Mon., Oct., 19, 10:30 am to 17:00 pm

***LASER CONCEPTS in HEALTHCARE©		
An Educational Program Presented by: Penny J. Smalley RN, CMLSO / Full day		
09:00 – 09:15	Welcome and Registration	
9:15- 09:30	Photonics.....but I'm Not an Engineer !!!	
09:30 – 11:00	Laser Science and Systems	How Laser Light Is Generated
		Characteristics Of Light
		Tissue Interactions
11:00-11:15	Break	
11:15 – 13:00	Laser Science and Systems, continued	Electromagnetic Interactions and Systems
		Photoablation
		Photothermal Effects
		Photochemistry
13:00-14:00	Lunch Break	
14:00 – 15:45	Laser Safety: Beyond Signs and Goggles	Demystifying Standards (ANSI, IEC)
		Classifications Of Lasers – MPE, NHZ
		Administrative Controls
		Development of the safety plan
		Occupational Health and Safety
		Audit and QA
		Engineering Controls
15:45 – 16:00	Coffee Break	
16:00 – 17:45	Procedural Controls (Perioperative Safety)	Controlled Access
		Ocular Hazards and Controls
		Inadvertent Exposure and Controls
		Management of Surgical Plume
		Fire Hazards and Control Measures
		Electrical Safety

Appendix 3

***** LASER CONCEPTS in HEALTHCARE©**

Penny J. Smalley, RN, CMLSO / Full day

OVERVIEW

This seminar is designed to introduce the fundamental concepts of laser science, as applied to the technology and safety, required of perioperative professionals working with and responsible for, Class 3b and Class 4 Medical lasers.

The American National Standard ANSI Z136, International (IEC) standards, CSA Z386 (Laser Safety) and CSA 305.13-09 (Plume) and other appropriate regulations, will be used as the basis for both risk assessment, and the development of relevant control measures.

Through lectures and discussions, participants will obtain clinical, technical, and administrative information, essential to the development of a comprehensive, compliant, and effective, laser service.

OBJECTIVES

At the conclusion of the seminar, participants will be able to:

1. Discuss the fundamental concepts of laser science, biophysics, and tissue effects of lasers, as the basis for risk assessment
2. Identify the regulatory and advisory guidelines for development of a laser safety program.
3. Discuss risk management, and regulatory impact on compliance with a standards based laser safety program,
4. Determine hazards associated with healthcare laser systems, and appropriate control measures required.

Appendix 4

***POSTER SESSION

	NAME	TITLE
1.	Al-Harethee Wasim (Greece)	Breast Lesion Excision System (B.L.E.S.) Aesthetic Diagnostic Method Or Valid Diagnostic Method Biopsy For Non-Palpable Mammographic Lesion
2.	Chi Chung Ng (China)	Selective Laser Sintering Of Magnesium Powder For Fabrication Of Porous Structures
3.	Grigory Efimovitch Brill (Russia)	Effect Of Laser Irradiation On Platelet Adhesion And Aggregation Is Dependent On Polarization State Of Laser Light
4.	Mohsen Fateh (Iran)	LLL Therapy: Knowledge Attitude And Practice Among Physicians
5.	Reza Amid (Iran)	The Future Of Photodynamic Therapy In Periodontics And Implant Dentistry
6.	Vilma Campana (Argentina)	He-Ne Laser Increases The Activity Of Mitochondrial Respiratory Chain Complex IV
7.	Khaled Turki (Tunisia)	Combination of methods to removal tattoo