

## PUBLICATIONS & PATENTS:

Ash C, Town G, Whittall R, Tooze L, Phillips J. Lasers and intense pulsed light (IPL) association with cancerous lesions. *Lasers Med Sci*. 2017 Nov; 32(8):1927-1933.

Town G, Bjerring P. Is paradoxical hair growth caused by low-level radiant exposure by home-use laser and intense pulsed light devices? *J Cosmet Laser Ther*. 2016; 18:6:355-362.

Ash C, Town G, Bjerring P, Webster S. Evaluation of a novel skin tone meter and the correlation between Fitzpatrick skin type and skin colour. *Photonics Lasers Med*. 2015; Vol. 4 (2):177-186. DOI: 10.1515/plm-2013-0056, October 2014.

Trelles M, Ash C, Town G. Clinical and Microscopic Evaluation of Long-Term Epilation Effects of the iPulse Personal Home-Use Intense Pulsed Light (IPL) Device. *J Eur Acad Dermatol Venereol*. 2014; 28(2):160-168.

Town G. Quality Assurance in the Democratization of Light Based Therapy. 2013; *Doctoral Thesis*. University of Wales Trinity Saint David.

Town G, Gorisch W. International Progress in Standards and Regulation for Light-Based Home-Use Devices (Paper No: 104). *Proceedings of the ILSC*, Orlando, Florida, 18<sup>th</sup>-21<sup>st</sup> March 2013.

Emerson R, Ash C, Town G, Donne K, Omi T, Daniele G. Pigmentation: Selective photothermolysis or non-specific skin necrosis using different intense pulsed light (IPL) systems? *J Cosmetic Laser Ther*. 2013 Jun; 15(3):133-42. Epub 2013 Feb 27.

Ash C, Donne K, Daniel G, Town G, Clement M, Valentine R. Mathematical modelling of the optimum pulse structure for safe and effective photo epilation using broadband pulsed light. *J Appl Clin Med Phys*. 2012; 13:5:290-299. doi: 10.1120/jacmp.v13i5.3702.

Town G, Ash C, Dierickx C, Fritz K, Bjerring P, Haedersdal M. Guidelines on the safety of light-based home-use hair removal devices from the European Society for Laser Dermatology (ESLD). *J Eur Acad Dermatol Venereol*. 2012; 26(7):799-811. doi: 10.1111/j.1468-3083.2011.04406.x. Epub 2012 Jan 3.

Thaysen-Petersen D, Bjerring P, Dierickx C, Nash JF, Town G, Haedersdal M. A systematic review of light-based home-use devices for hair removal and considerations on human safety. *J Eur Acad Dermatol Venereol*. 2012; 26(5):545-553. doi: 10.1111/j.1468-3083.2011.04353.x. Epub 2011 Nov 30.

Thomas G, Ash C, Hugtenburg R, Kiernan M, Town G, Clement M. Investigation and Development of a Measurement Technique for the Spatial Energy Distribution of Home-Use Intense Pulsed Light (IPL) Systems. *J Med Eng Technol*. 2011; 35:3-4:191-196.

Town G, Ash C. Do Home-use Hair Removal Lasers & Intense Light Devices Deliver What They Promise? *J Cosmet Surg Med*. 2010; Vol 5:3:48-55.

Town G, Trelles MA. Sistemas láser y de luz intensa pulsada (IPL) para uso domiciliario (Home-use laser & IPL devices) *Cirugía Plástica Ibero-Latinoamericana* 2010; Vol.36:3:273-275.

Town G, Ash C. Are home-use intense pulsed light (IPL) devices safe? *Lasers Med Sci*. 2010; 25:773-780.

Ash C, Town G, Clement M. Confirmation of spectral jitter: a measured shift in the spectral distribution of intense pulsed light systems using a time-resolved spectrometer during exposure and increased fluence. *J Med Eng Technol*. 2010; (34)2: 97-107.

Town G, Ash C. Measurement of Home Use Laser and Intense Pulsed Light Systems for Hair Removal: Preliminary Report. *J Cosmet Laser Ther*. 2009; 11:157-168.

Emerson R, Town G. Hair removal with a novel, low fluence, home-use intense pulsed light device: Preliminary Results. *J Cosmet Laser Ther*. 2009; Vol. 11:2:98-105.

Omi T, Town G. Laser Safety *Japanese J Aesthetic Dermatology* 2008; Vol.18: 277-283.

Ash C, Town G and Bjerring P. Relevance of the structure of time-resolved spectral output to light-tissue interaction using intense pulsed light (IPL). *Lasers Surg Med*. 2008; Vol 40:2: 83-92.

Town GA, Ash C, Eadie E, Moseley H. Measuring key parameters of intense pulsed light (IPL) devices. *J Cosmet Laser Ther*. 2007; 9:3:148-160.

Vedamurthy M and Town G. Use of Intense Pulsed Light (IPL) in Skin Types IV and V: An Indian Experience. *Australasian Journal of Cosmetic Surgery* 2008; Vol 4:1: 64-73.

Ash C, Town GA, Martin GR. Preliminary trial to investigate temperature of the iPulse™ glass transmission block during treatment of Fitzpatrick II, IV, V, and VI skin types. *Lasers Med Sci*. 2006; 22:1: 4-9.

Clement M, Kiernan M, Ross Martin GD, Town, G. Preliminary Clinical Outcomes Using iPulse™ Intense Flash Lamp Technology and the Relevance of Constant Spectral Output with Large Spot Size on Tissue. *Australasian Journal of Cosmetic Surgery* 2006; 1:54-59.

McCoy SE, Davis PE, Cassuto D, Town GA. Photo rejuvenation using intense light sources vs. the copper bromide laser. *Australasian Journal of Cosmetic Surgery* 2005; 1:32-38.

Town GA. UK Care Standards Act 2000 Legislation: Review 2 Years On. *Proceedings of the British Medical Laser Association (BMLA) Annual Scientific Meeting*, London; October 9-10 2004.

Lavelle M, Jafri Z, Town GA. Recurrent pilonidal sinus treated with epilation using a ruby laser. *J Cutan Laser Ther*. 2002; 4: 45-47.

Town GA, Colles J. A novel method of stimulating collagen formation - apparatus and method for removal of wrinkles from skin. May 2001; *British and international patent application* GB 0111271.3.

## POSTERS:

Gold MH, Town G, du Crest D. Poster: No:5560 'Physicians' Attitudes Toward Home-Based Devices for Acne' American Academy of Dermatology Annual Meeting, Orlando 3<sup>rd</sup>-7<sup>th</sup> March 2017.

Town G, Bjerring P. ePoster: 'Paradoxical hair stimulation and home-use laser and IPL devices?' ASLMS, Kissimmee, March 30<sup>th</sup>-April 3<sup>rd</sup> 2016.

Town G. Simulated Comparison of Consumer Intense Pulsed Light (IPL) and Laser Hair Removal Systems Using Computational Methods. Abstract E70 *Lasers Surg Med* 2014; 46:4:370. ePoster presented at ASLMS, Phoenix, USA, 4<sup>th</sup>-6<sup>th</sup> April 2014.

Town G, Zachary C. 'International Progress in Standards and Regulation for Light-Based Home-Use Devices' at ePoster No: 7337 ASLMS, Boston, USA, 3<sup>rd</sup>-7<sup>th</sup> April 2013.

Town G. 'Efficacy of a Novel Home Use Skin Tone Meter (STM) to determine Skin Tone in Fitzpatrick Skin Types I-VI' E-Poster at EADV Spring Symposium, Verona, Italy, 6<sup>th</sup> - 10<sup>th</sup> June 2012.

Town G. 'Safety and efficacy of a novel skin tone meter (STM) to determine skin tone in Fitzpatrick skin types I-VI prior to home use IPL treatment' E-Poster at the American Society for Laser Medicine and Surgery Annual Meeting in Kissimmee, FL, USA, 18<sup>th</sup>-22<sup>nd</sup> April 2012.

Town G, Ash C. 'How Safe Are Home-Use Intense Pulsed Light (IPL) Devices?' Poster P.03. Presented at Laser Europe 2010 Congress, La Pineda, Tarragona, Spain, 6<sup>th</sup>-8<sup>th</sup> May 2010.

Town G. 'Safety and efficacy of a novel skin tone meter (STM) to determine skin tone in Fitzpatrick skin types I-VI prior to home use IPL treatment' E-Poster at the American Society for Laser Medicine and Surgery Annual Meeting in Kissimmee, FL, USA, 18<sup>th</sup>-22<sup>nd</sup> April 2012.

Emerson R, Town G, Ash C. 'Multi Centre Safety Study of a Novel, Low Fluence, Home-Use Intense Pulsed Light (IPL) Device on Fitzpatrick Skin Types I-IV'. Poster P.02. Presented at Laser Europe 2010 Congress, La Pineda, Tarragona, Spain, 6<sup>th</sup>-8 May 2010.

Ash C, Town G. '*Measurement of Wavelength Dependant Pulse Durations and Fluence Variation Within a Discharge of Broadband Intense Pulsed Light Using Time-Resolved Spectroscopy*'. Lasers Surg Med 2009; (41):S21 Poster 508:78. Presented at 29<sup>th</sup> Annual Conference, American Society for Laser Medicine & Surgery, Gaylord National Resort & Convention Center, National Harbor, Maryland, USA, 1<sup>st</sup>-5<sup>th</sup> April 2009.

Ash C, Town G. '*Ocular Hazard Assessment of Intense Light Source Systems Under British Standard BS 8497-2*'. Lasers Surg Med 2009; (41):S21 Poster 507:78. Presented at 29<sup>th</sup> Annual Conference, American Society for Laser Medicine & Surgery, Gaylord National Resort & Convention Center, National Harbor, Maryland, USA, 1<sup>st</sup>-5<sup>th</sup> April 2009.

Trelles M, Town G. '*Intense pulsed light devices: Are claimed output parameters valid?*' Poster No: P690, 16th Congress of the European Academy of Dermatology and Venerology (EADV), Vienna, Austria, 16<sup>th</sup>-20<sup>th</sup> May 2007.

Vedamurthy M, Town G. '*Use of IPL in Dark Indian Skin Types*'. Lasers Surg Med 2007; (39):S19 264:81. Presented at: American Society for Laser Medicine and Surgery, 27th Annual Meeting, Grapevine, Texas, USA, 11<sup>th</sup>-15<sup>th</sup> April 2007.

## MAGAZINE ARTICLES / BOOK CHAPTERS

Town G, Ross Martin GD. '*Implementing Efficient Defensive Strategies*' Aesthetics 2018; Volume 5:(11):31-35. \_

Town G, Raymond Brown E. '*Laser and Light Intervention Standards*' Aesthetics 2017 December; Volume 5 (1):30-35.

Town G, Ross Martin GD. '*How to select and properly implement efficient defensive strategies*' Beauty NZ magazine. 2016 August; pages 60-67.

Town G, Fleming D. '*Risks to clients due to poorly regulated treatments*' Beauty NZ magazine, 2016 August; pages 73-76.

Town G, Regan M. '*CE Marking of Lasers & IPLs*' published in Consulting Room UK Edition 153 February 2016.

Town G, Petersen R, Du Crest D. '*The Recent Rapid Development of the Directed-Energy, Home-Use Device Sector*' EMJ Dermatol. 2014; 2:50-55.

Town G, Petersen R, Du Crest D. '*Home-Use Beauty Devices: A Fast-Emerging Market*' The Aesthetics Practitioners Journal 2014; Spring Volume 22: pages 78-80.

Town G, Petersen R, Du Crest D. '*Home-Use Beauty Devices: A Fast-Emerging Market*' Prime Journal March 6<sup>th</sup> 2014; pages 18-22.

Town G, Petersen R. Les Nouvelles Esthetiques Украина, Ukraine Magazine of Aesthetic Medicine 2014 pages 62-66.

Town G. and Trelles M. Editorial review article '*Home-Use Laser & IPL Devices*' published in Spanish and English in the November 2009 Bulletin of the Spanish Laser Society (Revista de Cirugia Plástica Ibero-latinoamericana) and the January 2010 ELA and ESLAS newsletters (pages 18-20).

Town G. '*Home-Use Laser & IPL Devices and their Performance Capabilities*'. Aesthetics Practitioners Journal 2009; (2): 36-37. ISSN: 1836-9812. Editorial review article in the APAN-Aesthetics Practitioners Advisory Network magazine in Australia.

Town G, Ash C. Book chapter: '*Intense Pulsed Light*' In: Practical Manual of Cosmetic Dermatology and Surgery. Sachdev M and Khunger N. Mehta Publishers, India 2009. ISBN: 81-88039-81-0.

Town G, Ross Martin GD. '*Intense Pulsed Light - The Relevance of Constant Spectral Output with Large Spot Size on Tissue*'. Published online in: Touch Briefings, European Dermatology Review 2007 Issue 1.

Town G. 'Pioneers of light-based therapies drive the latest innovations'. In National Association of Primary Care Review. Summer 2006.

Town GA. 'Legislation: In the cold light of day'. Body Language Plastic & Cosmetic Surgery 2004; 13:14-15.

Town G. 'Pioneers of light-based therapies drive the latest innovations'. In National Association of Primary Care Review. Summer 2006

Town G. 'Laser Assisted Hair Removal - A Training Manual'. ©1997; unpublished, source document for Carl Zeiss Meditec Laser Application & User Manual for ruby and diode lasers.

## **ABSTRACTS, CONFERENCES & COURSES ATTENDED (2006-2018)**

Town G. 'Aesthetic clinical practice in the UK - New standards and regulations.' Invited Speaker Japanese society of Aesthetic Dermatology (JSAD), Tokyo August 2018.

Town G. 'Is paradoxical hair growth caused by low-level radiant exposure from home-use laser and intense pulsed light (HUD) devices?' Invited Speaker Japanese society of Aesthetic Dermatology (JSAD), Tokyo August 2018.

Town G. 'Aesthetic clinical practice in the UK - New standards and regulations' Laser Invited Speaker Skin & Body Conference, Rotterdam June 2018.

Town G. 'Update on home use device (HUD) standards and regulation' Invited Speaker: ELA-BMLA Conference, Rotterdam 14<sup>th</sup>- 16<sup>th</sup> June 2018

Town G. 'Laser und Haarentfernung: Positionierung von HUD' Invited Speaker: Dermatologische Praxis, Frankenthal. 9<sup>th</sup>-11<sup>th</sup> March 2018.

Town G. Whittall R, Du Crest D. 'Literature Reviews: Hair Removal, Rejuvenation, Hair Regrowth (id 62501).' Invited Faculty Speaker: IMCAS 20<sup>th</sup> Annual World Congress, Paris, France, 3<sup>rd</sup> February 2018.

Dierickx C, Town G., Whittall R, Du Crest D, Uzunbajakava NE, Nuijs T. 'What home Devices Are Able To Do And How Effective Are They? (id 66631)'. Invited Faculty Speaker: IMCAS 20<sup>th</sup> Annual World Congress, Paris, France, 2<sup>nd</sup> February 2018.

Town G. 'Innovations/New Developments in Home Use Devices' Invited Speaker: Innovations-Symposium, Berlin, 25<sup>th</sup>-26<sup>th</sup> November 2017.

Town G. 'Home Use Energy-Based Optical Devices: A Literature Review of Applications and Complications' Invited Speaker: Journées de l'Adeessee, Marseilles, 13<sup>th</sup>-14<sup>th</sup> October 2017.

Town G. DuCrest D, Born M, Uzunbajakawa N, Decaux G, Fauchaux M. 'Appareils à usage domestique: vers une prescription médicale?' Invited Speaker: Journées de l'Adeessee, Marseilles, 13<sup>th</sup>-14<sup>th</sup> October 2017.

Town G. 'Laser & Light Basics & Safety' Teaching Course Faculty speaker: 8<sup>th</sup> 5-CC, Barcelona, August 30<sup>th</sup>-September 3<sup>rd</sup> 2016.

Town G. Raymond Brown E. 'How do home use hair removal devices compare and what do I tell my patients?' Invited Speaker: BMLA Annual Conference, Manchester 18<sup>th</sup>-19<sup>th</sup> May 2017.

Town G. 'Gaseous and particulate content of laser hair removal plume' Invited Speaker: BMLA Annual Conference, Manchester 18<sup>th</sup>-19<sup>th</sup> May 2017.

Town G. Ash C. 'Aesthetic clinical practice in the UK - New standards and regulations' Invited Speaker: BMLA Annual Conference, Manchester 18<sup>th</sup>-19<sup>th</sup> May 2017.

Gold MH, Town G., du Crest D. 'Physicians' Attitudes Toward Home-Based Devices for Acne' Oral presentation American Academy of Dermatology Annual Meeting, Orlando 3<sup>rd</sup>-7<sup>th</sup> March 2017.

Town G. *'Aesthetic Clinical Practice in The UK - New Standards and Regulations'* Invited Faculty speaker: IMCAS Annual World Congress, Paris, France, 26<sup>th</sup>-29<sup>th</sup> January 2017.

Town G. *'Home Use Hair Removal Laser & IPL Devices: What Do I Tell My Patients'* Invited Faculty speaker: IMCAS Annual World Congress, Paris, France, 26<sup>th</sup>-29<sup>th</sup> January 2017.

Town G. *'Comparing Home Use Hair Removal Devices'* Faculty speaker: IMCAS Annual World Congress, Paris, France, 26<sup>th</sup>-29<sup>th</sup> January 2017.

Town G. Bjerring P. *'Is paradoxical hair growth caused by low-level radiant exposure from home-use laser and intense pulsed light devices'* Faculty speaker: DASIL 5<sup>th</sup> Annual Congress, 19<sup>th</sup>-23<sup>rd</sup> October 2016.

Town G. *'Updates on home-use devices - safety & standards'* Faculty speaker: DASIL 5<sup>th</sup> Annual Congress, Dubai, UAE, 19<sup>th</sup>-23<sup>rd</sup> October 2016.

Town G. *'Update on home use devices'* 25<sup>th</sup> EADV Congress, Vienna, 28<sup>th</sup> September-2<sup>nd</sup> October 2016.

Town G. *'Update on home use devices'* Faculty speaker: 7<sup>th</sup> 5-CC, Barcelona, August 31<sup>st</sup>-September 3<sup>rd</sup> 2016.

Town G. *'How new standards and regulation are influencing aesthetic clinical practice in the UK?'* Invited speaker, COSMETEX, Sydney 12<sup>th</sup>-14<sup>th</sup> May 2016.

Town G. Bjerring P. ePoster: *'Paradoxical hair stimulation and home-use laser and IPL devices?'* ASLMS, Kissimmee, March 30<sup>th</sup>-April 3<sup>rd</sup> 2016.

Town G. Invited chair: *'Home use devices - Why this consumer centric business has a professional component'* IMCAS Annual World Congress, Paris, France, 28<sup>th</sup>-31<sup>st</sup> January 2016.

Town G. *'Home devices: efficacité, sécurité, dispositive médical?'* Invited speaker: 35<sup>ème</sup> congrès de l SFLM, Les Arcs 1800, Bourg Saint Maurice, 22<sup>nd</sup> January 2016.

Town G. *'Update on home-use device developments: 2015'* Invited speaker: European Society of Laser Dermatology / European Academy of Dermatology and Venereology, Copenhagen, Denmark, 7<sup>th</sup> October 2015.

Town G. Invited chair: Home use devices session. 5-CC Conference, Cannes, France, 2<sup>nd</sup>-6<sup>th</sup> September 2015.

Town G. *'Paradoxical hair growth, the evolution of the hair removal market and its impact on the professional market place'*. Invited speaker: FACE Conference, London, U.K., 5<sup>th</sup>-7<sup>th</sup> June 2015.

Town G. *'Is paradoxical hair growth caused by low-level radiant exposure by home-use laser and intense pulsed light devices?'*. Invited speaker: XXIII Congreso de la Sociedad de Láser Médico Quirúrgico, Bilbao, Spain, 29<sup>th</sup>-30<sup>th</sup> May 2015.

Town G. *'Review of European standards & regulations affecting clinical use of lasers & light sources.'* Invited speaker: XXIII Congreso de la Sociedad de Láser Médico Quirúrgico, Bilbao, Spain, 29<sup>th</sup>-30<sup>th</sup> May 2015.

Town G. *'What can be expected from home-use light-based devices for hair removal and skin rejuvenation?'*. Invited speaker: XXIII Congreso de la Sociedad de Láser Médico Quirúrgico, Bilbao, Spain, 29<sup>th</sup>-30<sup>th</sup> May 2015.

Town G. *'Progress on standards and regulatory position of home-use laser & IPL devices'*. Invited speaker: British Medical Laser Association Annual Conference 2015, Brighton, U.K., 15<sup>th</sup>-17<sup>th</sup> April 2015.

Town G. *'Laser and IPL home use devices: Do they really work or do they just induce paradoxical hair stimulation?'* Invited speaker: British Medical Laser Association Annual Conference 2015, Brighton, U.K., 15<sup>th</sup>-17<sup>th</sup> April 2015.

Town G. 'Does home-use cosmetic care contrast or harmonise with professional cosmetic procedures?' Invited speaker: British Medical Laser Association Annual Conference 2015, Brighton, U.K., 15<sup>th</sup>-17<sup>th</sup> April 2015.

Town G., Bjerring P. 'Is paradoxical hair growth caused by low-level radiant exposure by home-use laser and intense pulsed light devices?' 13<sup>th</sup> Aesthetic & Anti-Aging Medicine World Congress, Cannes, France, 26<sup>th</sup>-28<sup>th</sup> March 2015.

Town G. 'Do home-use treatments juxtapose or harmonise with professional cosmetic procedures?' Invited speaker: 13<sup>th</sup> Aesthetic & Anti-Aging Medicine World Congress, Cannes, France, 26<sup>th</sup>-28<sup>th</sup> March 2015.

Ash C, Dubec M, Donne K, Bashford T, Town G. 'Simulated Comparison of Consumer Intense Pulsed Light (IPL) & Laser Hair Removal Systems Using Computational Methods'. Invited speaker: IMCAS Annual World Congress, Paris, France, 1<sup>st</sup> February 2015.

Town G. 'Do home use hair removal laser & IPL devices work and what do I tell my patients?' Invited speaker: IMCAS Annual World Congress, Paris, France, 1<sup>st</sup> February 2015.

Town G. 'Update on standards & regulatory status of home-use laser & IPL devices?' Invited speaker: IMCAS Annual World Congress, Paris, France, 1<sup>st</sup> February 2015.

Town G. 'Laser and IPL home use devices: Do they really work or do they just induce paradoxical hair stimulation?' Presented at Course C008 EADV Amsterdam, Netherlands, 12<sup>th</sup> October 2014.

Town G., et al. 'Simulated comparison of consumer intense pulsed light (IPL) and laser hair removal systems using computational methods' Abstract E51 Lasers Surg Med 2014; 46:4:Pp370.

Town G., et al. 'Pigmentation: Selective photothermolysis or non-specific skin necrosis using different IPL systems, 'International Progress in Standards and Regulation for Light-Based Home-Use Devices' and 'Laser complications and how to avoid them'. Invited speaker: 9<sup>th</sup> National Laser & Cosmetic Medicine Conference, Sydney, 15<sup>th</sup>-17<sup>th</sup> December 2013.

Town G., et al. 'Pigmentation: Selective photothermolysis or non-specific skin necrosis using different IPL systems' Invited speaker: Deutsche Dermatologische Lasergesellschaft e.V., Potsdam, Germany, 14<sup>th</sup>-16<sup>th</sup> June 2013.

Town G., Zachary C. 'International Progress in Standards and Regulation for Light-Based Home-Use Devices' Lasers Surg Med 2013; 45:S25 Abstract 132. Pp45 Oral presentation at ASLMS, Boston USA, 3<sup>rd</sup>-7<sup>th</sup> April 2013.

Town G., Gorisch W. 'International Progress in Standards and Regulation for Light-Based Home-Use Devices' (Paper No: 104). Invited speaker International Laser Safety Conference 2012, Orlando, Florida, USA, 18<sup>th</sup>-21<sup>st</sup> March 2013.

Town G. 'Rejuvenation with light-based home devices: a new option?' and 'Epidermal pigmentation treatment end points using different intense pulsed light systems' Oral presentations at the International Master Course on Aging Skin (IMCAS), Paris, France, 31<sup>st</sup> January - 3<sup>rd</sup> February 2013.

Town G. 'Home-use Light-based Cosmetic Devices - are they Effective and Safe?' Invited speaker: Society of Cosmetic Scientists, London, U.K., 9<sup>th</sup> January 2013.

Town G. 'A Novel Home-Use Skin Tone Meter (STM) to Determine Skin Tone in Fitzpatrick Skin Types' and 'Home Devices'. Oral presentations / co-chair at DASIL (The Dermatologic & Aesthetic Surgery International League) conference, Malta, 31<sup>st</sup> October-3<sup>rd</sup> November 2012.

Town G. 'Rejuvenation with home devices - a new option?' Abstract: PRA12INV-0137 and 'Home devices in rejuvenation - are they effective and safe?' Abstract: PRA12INV-0139 EADV Prague, Czech Republic, 27<sup>th</sup>-29<sup>th</sup> September 2012

Town G. 'The impact of at home light-based devices on aesthetic dermatology' Oral presentation at ESLD Annual Scientific Meeting, Prague, Czech Republic, 26<sup>th</sup> September 2012.

Town G. 'Home devices in Rejuvenation - are they effective and safe?', 'Rejuvenation with home devices: a new option?', 'The Impact of at-Home Light-Based Devices on Aesthetic Dermatology'. German Dermatological Laser Society Meeting, Essen, Germany, 21<sup>st</sup>-23<sup>rd</sup> September 2012.

Town G, Ash C. 'Efficacy of a Novel Home Use Skin Tone Meter (STM) to determine Skin Tone in Fitzpatrick Skin Types I-VI' Presented at EADV Spring Symposium, Verona, Italy, 6<sup>th</sup>-10<sup>th</sup> June 2012.

Town G. 'Combination treatments in laser dermatology' Oral presentation at EADV Spring Symposium, Verona, Italy, 6<sup>th</sup> - 10<sup>th</sup> June 2012.

Town G. 'Safety of a novel Skin Tone Meter (STM) to determine Skin Tone in Fitzpatrick Skin Types I-VI prior to home use IPL treatment.' Oral presentation at Laser Europe 2012, London, U.K. 10<sup>th</sup>-12<sup>th</sup> May 2012.

Town G. 'Safety of a novel Skin Tone Meter (STM) to determine Skin Tone in Fitzpatrick Skin Types I-VI prior to home use IPL treatment.' Oral presentation at Laser Europe 2012, London, U.K. 10<sup>th</sup>-12<sup>th</sup> May 2012.

Town G. 'At Home vs. In Clinic Professional Laser Hair Removal Systems - What's the Difference?' 3<sup>rd</sup> Annual Body Conference, London, U.K., 5-6<sup>th</sup> November 2011.

Ash C, Jones S, Town G, et al. 'Evaluation of a Novel Skin Tone Meter and the Correlation between Fitzpatrick Skin Types with Skin Colour' 5-Continent Congress, Cannes, France, 1<sup>st</sup>-3<sup>rd</sup> September 2011.

Town G. 'Depilation; dosimetry and treatment at home - The Complex Made Simple' Erasmus MC, Lasercursus voor Dermatologen, Congress Centre Engels, Rotterdam, Netherlands, 24<sup>th</sup>/25<sup>th</sup> June 2011.

Town G. 'Do Home-Use Hair Removal Lasers & Intense Light Devices Deliver What They Promise and Are They Safe?' GELEV Maroc, Tanger, Morocco, 6<sup>th</sup>-7<sup>th</sup> May 2011.

Town G, Ash C, Dierickx C, Fritz K, Bjerring P, Haedersdal M. 'Guidelines on the Safety of Light-Based Home-Use Devices from the European Society for Laser Dermatology (ESLD)' Abstract 113. Presented at COSMETEX Annual Conference, Australasian College of Cosmetic Surgery, Hobart, Tasmania, Australia March 30<sup>th</sup> - April 2<sup>nd</sup> 2011.

Town G, Ash C, Dierickx C, Fritz K, Bjerring P, Haedersdal M. 'Guidelines on the Safety of Light-Based Home-Use Devices from the European Society for Laser Dermatology (ESLD)' Presented at 31<sup>st</sup> Annual Conference, American Society for Laser Medicine and Surgery, Grapevine, Texas, USA. March 31<sup>st</sup> - April 3<sup>rd</sup> 2011 Lasers Surg Med. 2011; 43:Supp23:942.

Thomas G, Ash C, Hugtenburg R, Kiernan M, Town G. Investigation and development of a measurement technique for the spatial energy distribution of home-use intense pulsed light systems'. Presented at 31<sup>st</sup> Annual Conference, American Society for Laser Medicine and Surgery, Grapevine, Texas, USA. March 31<sup>st</sup> - April 3<sup>rd</sup> 2011. Abstract 114. Lasers Surg Med. 2011; 43:Supp23:942

Ash C, Jones S, Town G, Clement M, Brerring P, Kiernan M. 'Optimum choice of irradiation wavelengths for skin colour determination using skin reflectance measurement'. Presented at 31<sup>st</sup> Annual Conference, American Society for Laser Medicine and Surgery, Grapevine, Texas, USA. March 31<sup>st</sup> - April 3<sup>rd</sup> 2011. Abstract 115. Lasers Surg Med. 2011; 43:Supp23:943

Town G, 'Home-Use Light-Based Device Safety'. Guest Speaker: European Society of Laser Dermatology Reception / Get Together, EADV Gothenburg, Sweden: 6<sup>th</sup> October 2010.

Town G, Ash C. 'Risk and Pitfalls in Home Treatment with Laser and IPL'. Abstract W06. Invited speaker, 19<sup>th</sup> European Academy of Dermatology and Venereology, Gothenburg, Sweden: 6<sup>th</sup>-10<sup>th</sup> October 2010.

Town G, Ash C. 'Do home-use hair removal lasers & intense light devices deliver what they promise and are they safe?' Invited speaker, 6<sup>th</sup> National Laser and Cosmetic Medicine Conference, The Marriott Resort and Spa, Queensland, Australia, 25<sup>th</sup>-26<sup>th</sup> September 2010.

Town G, Ash C. '*Measurement of Light-Based Home Use Devices*'. Abstract TU6-1. Invited speaker, presented at 35th Meeting of the American Society for Photobiology, Brown University, Providence, Rhode Island, USA, 12<sup>th</sup>-16<sup>th</sup> June 2010.

Ash C, Jones S, Town G, Bjerring P, Hugtenburg R. '*Evaluation of a Commercial Fitzpatrick Skin Type Classification Device and the Correlation Between Fitzpatrick Skin Type and Skin Colour*'. Abstract O.46. Presented at Laser Europe 2010 Congress, La Pineda, Tarragona, Spain, 6<sup>th</sup>-8<sup>th</sup> May 2010.

Town G, Ash C. '*Do Home-Use Hair Removal Lasers & Intense Pulse Light Devices Deliver What They Promise?*' Abstract O.70. Presented at Laser Europe 2010 Congress, La Pineda, Tarragona, Spain, 6<sup>th</sup>-8<sup>th</sup> May 2010.

Ash C, Donne K, Daniel G, Town G, Clement M. '*Optimum Pulse Structure for Effective Photo Epilation Using Broadband Pulsed Light*'. Abstract O.13. Presented at Laser Europe 2010 Congress, La Pineda, Tarragona, Spain, 6<sup>th</sup>-8<sup>th</sup> May 2010.

Trelles MA, Town G, Ribé A. '*Clinical and Microscopic Evaluation of Epilation Effects of the iPulse Personal Home-Use Intense Pulsed Light (IPL) Device*'. Abstract O.04. Presented at Laser Europe 2010 Congress, La Pineda, Tarragona, Spain, 6<sup>th</sup>-8<sup>th</sup> May 2010.

Town G, Ash C, Emerson R. '*Do Home-Use Hair Removal Devices Deliver What They Promise and Are They Safe?*'. Invited speaker, presented at Australasian College of Cosmetic Surgeons (ACCS) & Cosmetic Physicians Society of Australasia (CPSA) Annual Conference, Adelaide, South Australia, 21<sup>st</sup>-24<sup>th</sup> April 2010.

Town G, Ash C. '*Are Home-Use Intense Pulsed Light Devices Safe?*' Lasers Surg Med 2010; (42):S22: Abstract 106:35. Presented at 30th Annual Conference, American Society for Laser Medicine and Surgery Phoenix, Arizona, USA, 16<sup>th</sup>-18<sup>th</sup> April 2010.

Town G, Ash C, Donne K, Daniel G, Clement M. '*Optimum Pulse Structure for Effective Hair Removal Using Broadband Pulsed Light Systems*'. Lasers Surg Med 2010; (42):S22: Abstract 7:3. Presented at 30th Annual Conference, American Society for Laser Medicine and Surgery Phoenix, Arizona, USA, 16<sup>th</sup>-18<sup>th</sup> April 2010.

Ash C, Bjerring P, Lanigan S, Clement M, Town G. '*Optimized IPL Photocoagulation by Methaemoglobin Generation from Whole Blood*'. Lasers Surg Med 2010; (42):S22: Abstract 1:1. Presented at 30th Annual Conference, American Society for Laser Medicine and Surgery Phoenix, Arizona, USA, 16<sup>th</sup>-18<sup>th</sup> April 2010.

Town G. '*Are home-use devices safe?*' Invited speaker, presented at 12th International Master Course on Aging Skin (IMCAS), Paris, France IMCAS, Paris, France, 8<sup>th</sup>-10<sup>th</sup> January 2010.

Town G. Conference delegate. 18<sup>th</sup> Congress of the European Academy of Dermatology and Venerology, Berlin, Germany, 8<sup>th</sup>-10<sup>th</sup> October 2009.

Town G. '*A Technical Comparison of Laser & IPL Home-Use Hair Removal Devices*'. SS13 Presented at 5-Continent-Congress, Lasers and Aesthetic Medicine. Nice, France, 10<sup>th</sup>-12<sup>th</sup> September 2009.

Town G. '*A Review of Home-Use Hair Removal Lasers and Intense Pulsed Light Devices*'. Presented at International Academy of Advanced Facial Aesthetics (IAAFA), London, U.K., 5<sup>th</sup> September 2009.

Town G. '*Efficacité et Sécurité des lasers et lampes à usage domestique*'. Invited speaker, presented at the 10th Annual Conference, French Group Laser Dermatology, Paris, France, 4<sup>th</sup>-6<sup>th</sup> June 2009.

Martin GM R, Town G. '*A practical evidence-based approach to potential photosensitivity reactions with the use of lasers and IPL: Preliminary Findings*'. Lasers Med Sci 2009; 24:825-837. Presented at British Medical Laser Association (BMLA) Conference, Salisbury, United Kingdom, 14<sup>th</sup>-15<sup>th</sup> May 2009.

Emerson R, Town G. '*Effects of a novel, low fluence, home-use intense pulsed light (IPL) hair removal device: Preliminary Results*'. Lasers Med Sci 2009; 24:825-837. Presented at British Medical Laser Association (BMLA) Conference, Salisbury, U.K., 14<sup>th</sup>-15<sup>th</sup> May 2009.



Town G. 'Reported Adverse Incidents From Laser and Intense Pulsed Light Use: A Laser Protection Adviser's View'. *Lasers Med Sci* 2009; 24:825-837. Presented at British Medical Laser Association (BMLA) Conference, Salisbury, U.K., 14<sup>th</sup>-15<sup>th</sup> May 2009.

Ash C, Town G. Clement M, Donne K, Daniel G. 'Measurement of Wavelength Dependent Pulse Durations and Radiant Exposure Variation within a Discharge of a Broadband Intense Pulsed Light (IPL) System Using Time-Resolved Spectroscopy'. *Lasers Med Sci* 2009; 24:825-837. Presented at British Medical Laser Association (BMLA) Conference, Salisbury, U.K., 14<sup>th</sup>-15<sup>th</sup> May 2009.

Town G. (i) 'A Review of Home Use Hair Removal Lasers and Intense Pulsed Light Devices' and (ii) 'Hair removal with a novel, low fluence, home-use intense pulsed light (IPL) device: Preliminary Results'. Invited speaker, presented at Australasian College of Cosmetic Surgeons (ACCS) & Cosmetic Physicians Society of Australasia (CPSA) Annual Conference, Sydney, Australia, 7<sup>th</sup>-10<sup>th</sup> May 2009.

Town G. 'A Comparison of Home Use Hair Removal Devices'. Invited speaker, presented at SK:N Medical Conference, Edgbaston, UK 30<sup>th</sup> April 2009.

Emerson R, Town G. 'Hair Removal With A Novel, Low Fluence, Home-Use Intense Pulsed Light Device: Preliminary Results'. *Lasers Surg Med* 2009; (41):S21 Abstract 111:39. Presented at 29<sup>th</sup> Annual Conference, American Society for Laser Medicine & Surgery, Gaylord National Resort & Convention Center, National Harbor, Maryland, USA, 1<sup>st</sup>-5<sup>th</sup> April 2009.

Ash C, Town G. Clement M. 'A Measured Shift in the Spectral Distribution of IPL Systems with Increasing Fluence Using a Time-Resolved Spectrometer'. *Lasers Surg Med* 2009; (41):S21 Abstract 41:15. Presented at 29<sup>th</sup> Annual Conference, American Society for Laser Medicine & Surgery, Gaylord National Resort & Convention Center, National Harbor, Maryland, USA, 1<sup>st</sup>-5<sup>th</sup> April 2009.

Town G. 'Home hair removal devices - comparison'. Invited speaker, presented at the 11<sup>th</sup> International Master Course on Aging Skin (IMCAS), Paris, France, 8<sup>th</sup>-12<sup>th</sup> January 2009.

Town G. 'Evaluation of home use hair removal and skin rejuvenation devices and their possible impact on professionally delivered treatments'. Presented at XXV International Intensive Hands-on Course on Lasers in Medicine and Surgery. Cambrils, Spain, 14<sup>th</sup>-16<sup>th</sup> November 2008.

Town G. 'IPL Measurement Update - Are all Intense Pulsed Lights the Same?' *Lasers Med Sci.* 2008; 23:Supplement 1: Abstract S13. Presented at Laser Florence 2008, Florence, Italy, 31<sup>st</sup> October-1<sup>st</sup> November 2008.

Town G. (i) 'IPLs - How to understand and choose them', (ii) Co-Chair: Town G. 'A Review of Home Use Lasers & Intense Light Devices'. Invited faculty speaker, presented at European Masters in Aesthetic & Anti-aging medicine (EMAA), Paris, France, 17<sup>th</sup>-19<sup>th</sup> October 2008.

Town G. (i) 'New Generation IPL Technologies', (ii) 'A Review of Home Use Laser & Intense Light Devices', (iii) 'IPL Update - What We Really Don't Know'. Presented at 29<sup>th</sup> Annual Meeting of the International Society for Dermatologic Surgery (ISDS) Planet Hollywood Resort & Casino, Las Vegas, USA, 2<sup>nd</sup>-5<sup>th</sup> October 2008.

G. Town attended Society of Clinical Research Associates (SOCRA) 17<sup>th</sup> Annual Conference, Clinical Research Quality and Standards - Ensuring National and International Success, Vancouver, BC, Canada, September 26<sup>th</sup>-28<sup>th</sup> 2008.

Town G. 'A Review of Home Use Laser and Intense Light Devices'. Presented at 15<sup>th</sup> Congress of the European Academy of Dermatology and Venerology / European Society of Laser Dermatology (ESLD) Meeting, Paris, France, 17<sup>th</sup>-20<sup>th</sup> September 2008.

Town G., Ash C. 'A Review of Home Use Laser & Intense Light Devices'. Presented at European Masters in Aesthetic & Anti-aging medicine (EMAA) Paris, France, 17<sup>th</sup>-19<sup>th</sup> September 2008.

Town G. 'IPL Update - What We Really Don't Know'. Presented at 6<sup>th</sup> World Congress of the International Academy of Cosmetic Dermatology (IACD) Lisbon, Portugal, 18<sup>th</sup>-20<sup>th</sup> June 2008.

- Town G. 'A review of Home Use Laser & Intense Light Devices'. Invited speaker, presented at the British Medical Laser Association (BMLA) Annual Scientific Meeting, Newcastle, U.K., 10<sup>th</sup>-11<sup>th</sup> June 2008.
- Bjerring P, Town G., Ash C. 'Effect of Varying IPL Pulse Structures on Human Skin Evaluated Using an Erythema Meter'. Lasers Surg Med 2008; (40):S20:Abstract 52:22. Presented at 28th Annual Conference, American Society for Laser Medicine & Surgery (ASLMS), Kissimmee, Florida, USA, 2<sup>nd</sup>-6<sup>th</sup> April 2008.
- Emerson R, Town GA., Ash C. 'Pigmentation: Selective photothermolysis or non-specific skin damage using different IPL systems?' Lasers Surg Med 2008; (40):S20 Abstract 122:44. Presented at 28th Annual Meeting, American Society for Laser Medicine & Surgery (ASLMS), Kissimmee, FLA, USA, 4<sup>th</sup>-6<sup>th</sup> April 2008.
- Town G., Ash C. 'Methodology of Calculating the Nominal Ocular Hazard Distance (NOHD) of an Intense Pulsed Light (IPL) System'. Lasers Surg Med 2008; (40):S20:Abstract 5:2. Presented at 28th Annual Meeting, American Society for Laser Medicine & Surgery (ASLMS), Kissimmee, FLA, USA, 4<sup>th</sup>-6<sup>th</sup> April 2008.
- Town G., Bjerring P. 'Measuring IPL systems parameters and the importance of the spectral footprint to clinical outcomes' Presented at ACCS / CPSA / AAFPS Annual Conference, Conrad Jupiters, Gold Coast, Australia, 13<sup>th</sup>-16<sup>th</sup> March 2008.
- Town G., Ash C. 'The relevance of intense pulsed light pulse structure to light-tissue interaction using time-resolved spectral footprint evaluation'. Invited speaker, presented at 10th Annual Meeting, International Master Course on Aging Skin (IMCAS), Paris, France, 9<sup>th</sup>-12<sup>th</sup> January 2008.
- Town G. 'Are all IPL's valid in their claimed parameters?' Presented at XXIV International Intensive Hands-on Course on Lasers in Medicine and Surgery. Cambrils, Spain, 9<sup>th</sup>-11<sup>th</sup> November 2007.
- Bjerring P, Ash C, Town G. 'The relevance of the structure of time-resolved spectral output to light tissue interaction using intense pulsed light (IPL)'. Abstract No: 1906 Presented at 21st World Congress of Dermatology, Buenos Aires, Argentina, 30<sup>th</sup> Sept- 5<sup>th</sup> Oct 2007.
- Town G. 'Checking IPL systems parameters: Are they valid?' Faculty speaker presented at 3rd European Masters in Aesthetic & Anti-aging medicine (EMAA) Paris, France, 12<sup>th</sup>-14<sup>th</sup> October 2007.
- Town G. 'Understanding the IPL'. Presented at Cosmotrends International Symposia 2007, Chiang Mai, Thailand, 30<sup>th</sup> June 2007.
- Town G. 'The relevance of time-resolved spectral output to light-tissue interaction using intense pulsed light'. Presented at the British Medical Laser Association Annual Meeting 2007, Manchester, U.K., 7<sup>th</sup>-8<sup>th</sup> June 2007.
- Town G. 'How to choose IPL treatments for the beauty salon: Realistic treatment goals, solving problems and equipment options'. Presented at 31st International Congress of Les Nouvelles Esthétiques, Avenue Congress Center, Israel, 14<sup>th</sup>-16<sup>th</sup> May 2007.
- Town G., Ash C, Bjerring P. 'The Relevance of Time-resolved Spectral Output to Light-Tissue Interaction Using Intense Pulsed Light'. Abstract Lasers Med Sci 2007; 22:211. Presented at 27th Annual Meeting, American Society for Laser Medicine and Surgery, Grapevine, Texas, USA, 11<sup>th</sup>-15<sup>th</sup> April 2007.
- Town G. 'Intense pulsed light devices: Are claimed output parameters valid?' SS8.D3. Presented at 16th Congress of the European Academy of Dermatology and Venerology (EADV), Vienna, Austria, 16<sup>th</sup>-20<sup>th</sup> May 2007.
- Town G., Ash C. 'Key IPL clinical performance indicators: energy density, pulse duration and time-resolved spectral output using an Ocean Optics spectrometer and counterpart SpectraSuite software'. Presented at IPL Measurement Workshop, Coventry, U.K., 19<sup>th</sup> April 2007.
- Town G. 'Evaluation of Intense Pulsed Light Devices Using Standardized Methodology'. Lasers Surg Med 2007; (39):S19: Abstract 41:14. Presented at 27th Annual Meeting, American Society for Laser Medicine and Surgery, Grapevine, Texas, USA, 11<sup>th</sup>-15<sup>th</sup> April 2007.

Town G. 'Intense Pulsed Light (IPL) Devices: A Comparison of Claims'. Abstract No: 242. Invited faculty speaker: V<sup>th</sup> World Congress of the International Academy of Cosmetic Dermatology (IACD), Melbourne, Australia, 9<sup>th</sup>-13<sup>th</sup> December 2006.

Vedamurthy M, Town G. 'Preliminary report on use of Intense Pulsed Light (IPL) in dark Indian skin types'. Abstract No: 356. Presented at V<sup>th</sup> World Congress of the International Academy of Cosmetic Dermatology (IACD), Melbourne, Australia, 9<sup>th</sup>-13<sup>th</sup> December 2006.

Town G. 'A standard for measuring key intense pulsed light device parameters'. Presented at Lasers and Optical Science Meeting, Salisbury, U.K., 2<sup>nd</sup> November 2006.

Town G. Conference delegate, Annual ESDL Meeting/15th European Academy of Dermatology and Venerology, Rhodes, Greece, 4<sup>th</sup>-8<sup>th</sup> October 2006.

Town G. 'Intense Pulsed Light Photorejuvenation'. Invited faculty speaker: International Conference on Aging and Anti-aging, Cosmecon 2006, Bangalore, India, 14<sup>th</sup>-16<sup>th</sup> July 2006.

Town G. 'Output Data & Claims Made For Intense Pulsed Light Devices: A Comparative Evaluation'. Lasers Surg Med 2006; (38):S18: Abstract 122:39. Presented at 26<sup>th</sup> Annual Meeting, American Society for Laser Medicine and Surgery, Boston, Massachusetts, USA 5<sup>th</sup>-9<sup>th</sup> April 2006.

Town G. Laser Safety Masterclass, R. Henderson, Cambridge, U.K., 28<sup>th</sup>-30<sup>th</sup> March 2006; Course participant.

## **SPECIAL AREAS OF LASER INTEREST / OTHER ACTIVITIES:**

Currently serving as an active Committee Member, Optical radiation safety and laser equipment BSI EPL/076 & IEC TC/76 WG4 Optical radiation safety and laser equipment: Safety of medical laser equipment. Appointed UK Expert / Liaison to TC61 WG30 / MT16 Safety of household and similar electrical appliances: Beauty therapy appliances for household and commercial use.

Currently serving as an active Committee Member, Standards Sub-Committee, ANSI SSC-3 Z136.3 *Safe Use of Lasers in Health Care* in USA.

Currently serving as honorary Chair, Home Use Devices Safety Group: [www.home-use-device.com](http://www.home-use-device.com)

Currently serving as Industry Advisor to School of Management and Science, London College of Fashion, University of the Arts, London.

Worked closely with UK NCSC (now Care Quality Commission), including laser industry workshop and working group participation on guidance notes for NCSC Regional Officers and end users of IPLs and Class 4 Lasers. Co-authored Independent Healthcare Advisory Service (IHAS) 'Essential Standards for Class 3B and Class 4 Lasers and Intense Light Systems (ILS) in non-surgical applications'.

Completed Bond Solon medico-legal training courses on Excellence in Report Writing, Courtroom Skills - Witness Familiarisation, Cross Examination and Civil Law and Procedures and awarded **Cardiff University Law School Bond Solon Expert Witness Certificate**. Undertaking selected expert witness cases involving laser and intense light injury claims.

Runs regular 'Core of Knowledge' and 'Update' training courses in UK and Australia where my 'Core of Knowledge' course is recognised by Radiation Health, Queensland (Course ED220), DHHS in Tasmania and the Western Australia Radiological Council.