Date: September 27, 2016  
Time: 6:00pm – 7:30pm  
Registration: 5:30pm  
Location: Dental Future Center  
401 Commerce Drive, Suite 108  
Fort Washington, PA 19034  
Tuition: TEMPLE FACULTY: FREE  
ALL OTHERS: $75  
Credits: 1 (L)

6:00pm  Hors d’Oeuvres Reception

6:30pm – 7:30pm

There are many new trends in Minimal Invasive aesthetic dentistry which can have benefit on oral health sustainability for patients. Oral health is key for patients of all ages. White spots, white marks and white flecks are common on anterior teeth. There is an increasing incidence (20-40%) of white marks on erupting teeth. Much of this is due to MIH (Molar incisor hypoplasia). There are new treatment strategies and protocols have been developed to treat this condition. With the introduction of resin infiltration to treat white spots on anterior teeth, there are many new treatment modalities to help patients. There are some simple strategies to provide therapeutic aesthetics for the patients to sustain their oral health. Patient groups who can benefit from this approach include the patients with high risk for caries, elderly, immunocompromised, medically compromised patients and those patients developing early root caries lesions. The lecture will cover: New trends in Minimal Invasive Aesthetic Dentistry; Therapeutic aesthetics- creating health sustainability for all patients throughout their lives; Whitening basics, intermediate and advanced cases: Classification and case planning; Microabrasion techniques; White spot management- treating; tooth decay in a minimal invasive way; Resin infiltration; Fissure sealant options and treatment strategies; Composite bonding for minimal aesthetics.

Upon course completion, you will learn:

- How dentistry is changing towards the trend for minimal invasive dentistry
- How whitening improves oral health and how to help your patients achieve better oral health
- Resin infiltration techniques and applying them into clinical practice
- New minimal invasive enamel surface treatments,
- How to introduce a minimally invasive approach to make aesthetic improvements for patients, and how to undertake treatment planning to make this happen.

Presenter
Dr. Linda Greenwall
Dr. Greenwall is a Specialist in Restorative Dentistry and Prosthodontics. She is an international lecturer and an authority on tooth whitening, aesthetic dentistry and practice management. As well as running a multidisciplinary private practice in Hampstead, London where she works with a specialist team in the practice which has an Endodontist, Periodontist, Implant Surgeon, Oral Surgeon and Orthodontist. She is an immediate past Chairperson
for the Alpha Omega Society 2012/13 and Editor-in-chief of the journal Aesthetic Dentistry Today and is President of the British Dental Association for the Metropolitan London Branch for 2015/2016. In March 2016 she was awarded the FMC Award for the Outstanding Contribution to Dentistry. Her first book, Bleaching Techniques in Restorative Dentistry, won the award for Best New Dental Book 2001. Her new textbook, second edition is called Tooth Whitening Techniques and will be published in July 2016. She has written many papers for dentistry journals. Her latest book Success Strategies for the Aesthetic Dental Practice was published by Quintessence in 2011. In 2008, Linda launched and is past chair of the British Dental Bleaching Society (BDBS), which aims to lobby for changes in the controversial bleaching legislation, and to educate dentists in tooth whitening. In 2011 she launched the Dental Wellness Trust, a charity aiming to provide preventive oral health programs and dental awareness in less fortunate communities such as the elderly and vulnerable kids. The Dental Wellness trust promotes wellness through oral health through their innovative supervised brushing programs in 5 schools. In 2017 she will be opening a dental clinic in the townships of South Africa for the children with no access to dental care. She has created evening health clubs for the children in the Township called the LiveSmart Club. Children are taught good brushing, hand washing and personal safety. To date the charity looks after 5000 children per day who are enrolled in a supervised tooth brushing program. In June 2014, she co led a dental outreach program with the Dental Wellness Trust which was held during the IADR Convention in Cape Town South Africa. This was a collaboration with the University of the Western Cape Dental School. During this time 280 children were treated by 15 international dentists attending the convention.
Epidemiological studies have demonstrated that diabetes is a major risk factor for periodontitis. This is of concern as the global prevalence of diabetes is increasing rapidly. Furthermore, we are witnessing a worldwide epidemic of obesity, which increases the risk for diabetes as well as other conditions. Diabetes is thus clearly established as a risk factor for periodontitis, and in addition, periodontitis appears to have a negative impact on diabetes control. Treatment studies have suggested that effective periodontal therapy can result in improvements in glycaemic control, with measureable reductions in glycated haemoglobin (HbA1c). Diabetes is now regarded as a pro-inflammatory condition, and inflammation is likely to underpin the links between the two diseases. In this lecture, current understanding of the relationship between diabetes and periodontitis will be presented, and the implications for periodontal management of diabetic patients and for the dental team will be considered.

At the conclusion, participants should be able to:

- Review the evidence linking diabetes and periodontitis and consider the role of inflammation in linking the two diseases
- Gain knowledge of the potential benefits that periodontal treatment can have for patients with diabetes
- Consider potential wider roles for the dental team in managing patients with diabetes and periodontitis

Philip Preshaw, BDS, RDSRCSED, PHD, FDS

Philip Preshaw is Professor of Periodontology at Newcastle University, UK. He received his Dental Degree from the University of Newcastle in 1991 and his PhD in 1997. He is a registered specialist in Periodontics and is a Fellow of the Royal College of Surgeons of Edinburgh. His main research interests are investigations of the pathogenesis of periodontal disease, salivary diagnostics, and the links between diabetes and periodontal disease. Professor Preshaw lectures frequently, and has numerous publications in peer-reviewed scientific journals. He has been awarded a UK NIHR National Clinician Scientist Fellowship, a Distinguished Scientist Award from the International Association for Dental Research, and a King James IV Professorship from the Royal College of Surgeons of Edinburgh.

7:30pm – 8:30pm
‘Whole-Person’ Diabetes Care Must Strategically Integrate Periodontal and Systemic Health
Dr. Andrew S. Pumerantz

The crucible of ‘whole-person’ diabetes care is the interrelationship between periodontal and systemic health. Diabetes is a chronic, progressive, and multisystem disease whose complex pathogenesis and pathophysiology is actively undergoing a rediscovery. Periodontitis is epidemiologically linked to poor glycemic control and is often called the ‘sixth complication’ of diabetes. Chronic inflammation, if left untreated, drives insulin resistance and in turn contributes to worsening glycemic control, which further increases the long-term risk of cardiovascular complications and premature death. Therefore, identifying active periodontitis is as important to whole-person
diabetes care as is structured screening for retinopathy, peripheral neuropathy, foot disease, nephropathy, and cardiovascular disease. Yet in the absence of integrated periodontal screening programs for people with diabetes, periodontitis often goes undetected and therefore untreated. Strategic integration of screening for common complications and co-morbidities in people with diabetes allows for early disease intervention and health recovery and serves to powerfully couple oral hygiene and self-care with other important lifestyle and behavioral changes, including nutrition, exercise, and cessation of tobacco use.

At the conclusion, participants should be able to:
• Outline the components of an integrated practice and research unit organized around the ‘whole person’ with diabetes and multimorbidity.
• Formulate a comprehensive, multidisciplinary evaluation using novel workflow pathways and communication tools.

Presenter
Andrew S. Pumerantz, DO, FACP
An internist trained at Yale as an infectious disease specialist, Andrew S. Pumerantz, DO, FACP, is Professor of Internal Medicine, Assistant Provost for Strategic Initiatives, and Executive Director of the Western Diabetes Institute (WDI) at Western University of Health Sciences (WesternU) in Pomona, California. Dr. Pumerantz was formerly WesternU’s infectious disease division chief and internal medicine department chair. In 2009, he founded WDI as an academic, integrated practice and research unit. At WDI, Pumerantz created the Diabetes Cross-Disciplinary Index© (DXDI©) to facilitate pattern and trend visualization, cross-ecosystem communication, and health outcomes tracking. In a 2015 collaboration with a clinical and technology team from the University of Dundee, a modified version of DXDI© was incorporated into NHS Scotland’s award-winning platform, “SCI-Diabetes” (Scottish Care Information-Diabetes). Pumerantz is also a Visiting Clinical Professor of Global Health at Jodhpur School of Public Health, India, and heads an Irvine, California-based consultancy firm that advises academic and health care industry groups across the globe. A 1988 graduate from Philadelphia College of Osteopathic Medicine, Dr. Pumerantz completed internal medicine residency and chief residency at Beth Israel Medical Center, New York. He is certified by the American Board of Internal Medicine and is a Fellow of the American College of Physicians.
## Restorative Digital Dentistry in the General Practice

**Date:** September 29, 2016  
**Time:** 6:30pm – 7:30pm  
**Registration:** 5:30pm  
**Location:** Dental Future Center  
401 Commerce Drive, Suite 108  
Fort Washington, PA 19034  
**Tuition:**  
- **TEMPLE FACULTY:** FREE  
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### 6:00pm Hors d’Oeuvres Reception  
6:30pm – 7:30pm

The presentation will describe the journey in a general practice of going from traditional to digital restorative dentistry. Dr. Kaye will discuss how his practice has successfully deployed chairside CadCam technology in his daily practice. He will also review the workflow of eliminating impression material from the operatory in order to improve efficiency, accuracy, and consistency in the restorative process. The “digital patient experience” has had a profound effect on patient engagement, which can lead to an improved awareness about oral health in general. In addition, there will be an extensive discussion on managing change as new paradigms confront the profession and how to look at setting a digital restorative strategy in daily practice.

### Upon course completion, you will:

- Understand the Digital Restorative Workflow and its implications to traditional dental practice  
- Be able to describe different Restorative Digital Dentistry (RDD) modalities.  
- Understand the entire RDD process including intraoral scanning, Computer Aided Design, Milling, Finishing, and Cementation.  
- Understand Materials Selection in dental Cad Cam.

### Presenter
**DR. GARY KAYE, DDS, FAGD**

Dr. Kaye completed his graduate dental school training at the Columbia School of Oral Medicine in New York City. He is recognized as one of the first general dentists in the US to be certified in INVISALIGN, is the founder of Kaye Dentistry PLLC, a world class reconstructive, cosmetic and implant dental practice, and is the Founder and Principal of the New York Center for Digital Dentistry. Dr. Kaye consults with other dentists, dental manufacturers, and distributors, and lectures on topics including ceramics, occlusion and digital dentistry. He performs live digital dentistry patient demonstrations, including at the Greater New York Dental Meeting at the Javits Center and the Midwinter meeting of the Chicago Dental Society. Dr. Kaye is also frequently featured on video where he shares his expertise and experience in the digital dentistry domain. He is a graduate of the Dawson Center for Advanced Dental Training; the Sirona Speaker’s Academy; and is on the guest faculty for Planmeca University in Richardson, TX.

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