Sussex County

Today

&

Tomorrow

Conference

Jeffrey M Cooper,  D.M.D.
Innovations and Technology in Dentistry

• Dentistry has advanced far beyond these images most of us remember

• Most of us respond with an unfavorable image
Innovations and Technology in Dentistry

- Most of us respond with unfavorable images
Innovations and Technology in Dentistry

• Most of us respond with unfavorable images

• Some things have disappeared from treatment room design

• Design has changed to be less intimidating
Innovations and Technology

• Technology has become a great advantage in terms of comfort and length of time to have procedures done
• Creating an open feeling during treatment
• No instruments / equipment on top of the patient
Innovations and Technology in Dentistry

• **To create a comfortable environment**

• **Part of our Mission:** “a unique patient experience filled with warmth, compassion, and careful listening.”

• **To stop our old tapes from playing!**
Innovations in Dentistry, Today

• **Omnicam** for crowns (Cerec)

• **Galileos** 3D cone Beam
  • Sirona’s patented integration of the two (CBCT and CAD/CAM)

• **Loupe Cam** – focused on patient education, the “*picture that is worth a thousand words*”,
  • Our objective is to have patients well informed about their health
Omnicam

- Crown restorations completed in single visit
Omnicam

• Crown restorations completed in single visit
• To create the most comfortable experience
Omnicam

- Crown restorations completed in single visit
- To create the most comfortable experience
- To decrease the time needed to do dental procedures
Omnicam

- Crown restorations completed in single visit
- To create the most comfortable experience
- To decrease the time needed to do dental procedures
- To be highly accurate
Omnicam

• The Ultimate in digital photographic scanning
• Allows crowns to be done same day
• Accuracy up to 7 thousandths of an inch
• Comes with its own 3D printer, a milling machine
Omnicam

Integrates with GALILEOS

- Allows accurate planning and placement of implants
- Enables surgical guides to be made for implants
- Enables fabrication of oral appliances
Galileos 3D Cone Beam

- 3D Visualization of the oral and Maxillofacial complex from ANY Plane
Galileos 3D Cone Beam

• 3D Visualization of the oral and Maxillofacial complex from ANY Plane
• Smaller radiation than that produced by medical CT, radiation is the equivalent of 4 bitewings
Galileos 3D Cone Beam

- 3D Visualization of the oral and Maxillofacial complex from ANY Plane
- Quick, easy, comfortable scan in 15 seconds
- Goes beyond traditional diagnostic and treatment capabilities
- Enables clear navigation and diagnosis
Galileos 3D Cone Beam

- 3D Visualization of the oral and Maxillofacial complex from ANY Plane
- Reduces risk in different treatments, and gives ability to explain treatment to patients with greater clarity and accuracy
Galileos 3D

• Changes our ability to diagnose

• Disease or pathology that used to be invisible is now visible

• Such as: Cracked tooth
Galileos 3D

• Improved Diagnostic Ability

• 2D Dimensional vs 3 Dimensional

• Being able to see from a different angle or position
Galileos 3D Innovations, Today

- Precision in Implant Placement
- Virtual Placement with digital images before surgery
- Extremely accurate
Loupe Cam

- The ‘Go Pro Video’ Camera of Dentistry
Loupe Cam

- The *Go Pro* Video Camera of Dentistry
- Patient can have the opportunity for a take home video of what was discussed
Loupe Cam

- Allows patient to see what I see
- An excellent educational tool
- Creates comfort by making people aware of reasons for failure and risks to proceed with treatment
Galileos 3D, Innovations- *Tomorrow*

- Jaw Motion
- TMJ function and analysis
- Appliances- custom made - digitally
Galileos 3D, Innovations- *Tomorrow*

- Airway Space
- Correlation with Sleep Apnea
- Analysis, treatment planning and the order of a sleep apnea appliance can be done
Innovation – Driven by

• By my own passion for what I do
• Surrounding yourself with an Enthusiastic Team
• EXCELLENT, Superior customer service
• What is in the customers best interests?
• Will it save me time?
Innovation – Keep this in mind:

• No amount of technology I have in my office can be successful without a committed and passionate team
Innovation

- Driven by a passionate team, who can share your values and mission
Innovation

• Driven by passionate team, who can share your values and mission

• Who can educate, and create comfort
  • create a positive experience
Innovation

- Driven by a passionate team, who can share your values and mission
- Who can educate, and create comfort
  - create a positive experience
- Who know the why of your service to others
Innovation

- The TEAM, their ultimate ability to grow and to face CHANGE
“If you are not riding the wave of change... You’ll find yourself beneath it”
Enthusiasm is contagious, but whatever else you have is also contagious!

Danny Cox
Thank you for the opportunity!

Jeffrey M Cooper, DMD
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Dr. Cooper does not receive compensation for the endorsement of any products or companies in this presentation.