Gerber Comprehensive Orthodontics
Session 4 of 4

“Straight Wire Mechanics Workshop”

Instructor - Dr. Jay Gerber, DDS, FIAO, FICCMO, DAAPM
Presented by ~ Straight Wire Orthodontic Studies, Inc.

Agenda – Feb. 23-25, 2018
Day One
8:00 am  Registration
8:30 am  ** Case Finishing “The Keys to Success”  ~ Dr. Gerber
-avoiding case failures to “set you free”
Arch Wire Sequencing
- Types of, composition, flex, comparison of types
- Sequencing for mini-twin type brackets
- Applications of the newer wires & their limitations
Bracket Positioning
- Andrew’s Positioning and Gerber Modifications
- Review of participant’s bracket placements (pre-course assignment)
- Common errors in bracket placements
- The importance of torque control
Retainers
- Types, uses, applications
- Lab Rx and Designs
SLB (self-ligating, reduced friction) brackets
- Nustar a new design
- Use of - placement, wires, elastics, rotation, etc.
- Gerber’s Revised ‘functional’ arch wire series
** Arch Wire Placement Projects for SLB brackets
Typodont Project Exercises
  ** Project #11A  placement of arch wires
  ** Project #11B  placement of Condensing chain elastics
  ** Project #11C  placement of condensing Pletcher Springs
Straight Wire Case Finishing
-Settling-in of Occlusion, Finishing Goals,
-Final Occlusion, Vertical Over-correction, Bracket Positioning
5:15 PM  Adjourn
5:30-6:30  Class Reception
Day 2
8:00 AM  Mini Clinic  ~ TBA
8:30 AM  Bite Opening Mechanics
Bite Blocks
Rickinators
- Rickinator adjustments **Demonstrations/Videos
Bite Opening - Reverse Curved Arch Wires Project
** Typodont Project #4  - .016 & .018 Arch wires & RCS Niti
- Incisor Block-Composite Build-ups
- Incisor Block Placement/removal
Distal Spring Driver Arch Wire
** Project Exercise #10
  - Anchorage & spring technique for Distal Driver
Mixed Dentition Orthodontic SW Mechanics ~ Dr. Gerber
- Uses and Applications
  Utility Arch **Project #2A
  Spring Sagittal **Project #2B
Arch Lenthening
  Instructional Video & **Project #6 (optional)
  **.018 Open Coil Spring
Impacted Cuspid Mechanics -
Lecture on Mechanics - exposure and anchorage
Arch development with arch wires
- Archwire construction
Arch Form & Coordination of maxillary & mandibular forms.
- Arch wire indexing, the wax bite
  Video & ** Project #7 with wax bite .016 x .022 wires
- Off-set bends using .016 x .022 & round wires 1st & 2nd Order Bends **Project
Open Bite Treatment Mechanics
Closing / Intrusion Mechanics
  Typodont Projects
  Video & ** Project # 3
  -using box elastics to close anterior open bite
  Video & **Project # 4
  -Cinch back for space closure & incisor intrusion
Up-righting Loops and
Molar Up-righting Bends
  ** .016 x .022 Project #7B
- Omega Loops for Mesial-Distal Up-righting (can be sectional)
  - T – Loops for Lingual-Buccal Up-righting
5:00 PM Adjourn
Day 3
8:00 AM Mini-clinic ~ TBA
8:30 AM Advanced Finishing SW Mechanics – **Project Exercises with instructional videos
  Extraction & Non-extraction SW mechanics
  - Cuspid Retraction, Anterior Retraction, Final Space Closure
  - Midline Correction, Over-jet & over-bite, Case Finishing Mechanics
  - Archwire construction
  - Condensing Springs for space closure
  - Elastics
  ** Typodont Project #7 .016 x .022 Archwire Video 13 min
    - Retraction, Space Closure
  ** Typodont Project #8A/B .018 x. 0.25 Archwire Video 25 min
    - Final Space Closure
12:00 Lunch
12:30 PM Case Reviews – presentations by course participants ~ Dr. Gerber
- Doctors are to bring in records of cases they wish to treat or progress records of patients currently under treatment.
  Records should be in a digital format – removable USB drive
  Extra participation credit hours for all cases presented to the class
3:00 PM Adjourn

Notice – due to the instructional techniques implemented in this session, individual case reviews by Dr. Jay will only be covered on the final day during the allotted time.