TX to EV Transition
Possibilities and Challenges
TX to EV Transition

Why?
ASTRA TECH Implant System BioManagement Complex™

- **OsseoSpeed™** - more bone, more rapidly
- **MicroThread™** - biomechanical bone stimulation
- **Conical Seal Design™** - a strong and stable fit
- **Connective Contour™** - increased soft tissue contact zone and volume
Publication list

More than 1,600 articles in scientific journals
Clinical studies show:

• No dip in implant stability quotient 1
• Good esthetics 2 and high patient satisfaction 3
• Survival rate from 94.5% – 100% including advanced protocols:
  • immediate loading 4
  • atrophic edentulous maxilla 5
  • extraction sockets 6
  • sinus lifted/grafted posterior sites 7
• Majority of studies report a mean marginal bone loss of 0.3 mm or less after 1-5 years in function 8,9

but
Development Limitations
Join the EVolution
Evolution based on customer feedback

- Improve surgical simplicity and flexibility
- Possibility to achieve higher primary stability
- Restorative ease
- System logics
- Increased robustness
- Maintain ASTRA TECH Implant System BioManagement Complex™ intact – securing relevance of available clinical documentation
TX to EV Transition
Possibilities
Simplicity without compromise

- Surgical simplicity and flexibility
- Primary stability
- Restorative ease
- System logics
- Robustness

OsseoSpeed™ - more bone more rapidly
MicroThread™ - biomechanical bone stimulation
Conical Seal Design™ - a strong and stable fit
Connective Contour™ - increased soft tissue contact zone and volume
TX to EV Transition

Challenges
EV Challenges

• What do we want to accomplish today?
  – Identify and understand the challenges
  – Discuss causes and solutions
  – Discuss strategies regarding how to communicate challenges and solutions
EV Challenges

• Identify and understand the challenges
  – Clinical/technical issues
    • Surgical, restorative, lab
    • Treatment/handling, components, instruments
  – Communication issues
EV Challenges

• Discuss causes and solutions
Already registered challenges - surgery

- Driver malfunction
- Implant installation problems
- Post surgery symptoms
- Early implant failures
Already registered challenges - surgery

- Driver malfunction
  - Implant installation problems
  - Post surgery symptoms
  - Early implant failures
New Implant Drivers EV

• Design change
  – Updated pick-up function
  – Stronger ISO connection
  – Compatible with all ISO connections with hex.
  – Extra laser symbol to separate new and current version

• New Material
  – Improved strength
  – Better resistance against corrosion.

• Scheduled for June 2016
New Implant Drivers EV

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• Scheduled for June 2016
EV Drilling Protocol - results

Different outcomes
Very good – most are very pleased
Not so good – few (but loudly outspoken)

• High installation torque
• Pain
• Pressure necrosis
• Early implant failures
Flexible drilling protocol for your preferred primary implant stability
ASTRA TECH Implant System EV
Osteotomy Preparation

Spongyous bone preparation

Cortical bone preparation

Spongyous bone preparation

FOR INTERNAL REFERENCE ONLY
-0.5 mm

3.7/3.1
A Cortical
-0.3 mm

< 2 mm
B Cortical
± 0.0 mm

≥ 2 mm
1.0 mm Cut volume increase: 53%

Per protocol preparation

Vertical **under** preparation
0.5 mm

Vertical **under** preparation
1.0 mm

Vertical **over** preparation
1.0 mm

V-Drill
Dense bone

e.g. mandible front

B Cortical: ± 0.0 mm

X Drill : - 0.15 mm

- 0.15 mm
ASTRA TECH Implant System EV
Osteotomy Preparation

Spongious bone preparation

Cortical bone preparation

Mandatory

For Flexibility
ASTRA TECH Implant System EV
Osteotomy Preparation

For flexibility

No apical support

Flexibility for w/wo apical support
ASTRA TECH Implant System EV
Drilling Protocol

1. [Diagram of implant placement]
2. [Diagram of implant placement]
3. [Diagram of implant placement]
4. [Diagram of implant placement]
ASTRA TECH Implant System EV
Drilling Protocol

- Secure correct drilling depth
  Rather over-prep than under-prep

- The ☑ and ☒ drills are not recommended
  • in soft bone situations
  • when a higher installation torque is preferred

- In dense bone, the ☒ drill is recommended
ASTRA TECH Implant System EV
Drilling Protocol for previous OsseoSpeed TX users
Already registered challenges - restorative

- Restorative push back
- Lab push back
HealDesign EV – line extension

- 23 new sizes

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HealDesign EV – line extension

- Additional diameters/heights - 23 REF, scheduled for April 2016 (Oct-CAN)
Adjustments - Uni Abutment EV line

• Uni Heal Cap (April 2016-US, October-CAN)
  – 2 additional shorter healing caps for improved functionality

• Uni Transfer (July 2016)
  – Changed internal geometry for a more stable fit on the abutment

• Uni Pick-up (July 2016)
  – Improved retention/deeper grooves
  – 2 additional shorter pick-ups for improved functionality
Implant level Pick-up 3.0 & 3.6

- Reduced diameter for improved functionality
- Scheduled for July 2016
Implant level Pick-up Design Short

• Short version for a more versatile use
  – 4 REF (3.6 – 5.4)
• Scheduled for July 2016
EV Challenges

- Discuss strategies how to communicate challenges and solutions