

BASIC Level 1 Practitioner Certification

Equipment and Set-up For Implant Placement

- 1) **Placement Console** – Aseptico** AEU 707-Av2 or Equivelant on stable disinfected work surface
Cover film *(568-3909)
- 2) **Placement Handpiece** – Aseptico** AHP-85 or Equivelant (Sterile)
- 3) **Motor-cable assembly** (disinfected)
- 4) **Foot Control—Cable assembly** (disinfected)
- 5) **Internal irrigation assembly complete integrated or ancillary** (Sterile)
- 6) **Disinfected stainless steel tray** (On mayo stand or disinfected work surface.) *(228-2549)
- 7) **Set-up instruments and materials on one sterile towel/drape placed on disinfected stainless tray or work surface.** *(084-0058)
 - a) Sterilized BASIC Omni-Tight Placement Instrument box with all instruments.
 - b) Sterilized BASIC Implant strips (1st and 2nd choice lengths)
 - c) Sterilized stainless steel or pyrex® cup with irrigation solution:
 - d) Sterile saline – 250ml bag (24 per case) ****(507-8002)
 - e) Sterile H₂O-1000ml (12 per case) *(674-73980)
 - f) 1 Sterilized Monoject® syringe #412/12cc: *(663-5343)
 - g) 2 Sterilized mouth mirrors *(773-0328)
 - h) Aspirating anesthetic syringe with anesthetic of choice (1:100,000 epi)
 - i) Cold sterilized and sterile H₂O washed 3-D drill guide stent
 - j) 2 sterilized small tip surgical suctions tips *(089-4303)
 - k) Sterilized see-in pouches containing: *(674-5681) *(674-5699) *(674-5707)
 - i) 4mm diameter spoon excavator (double ended and angled) *(370-0697)
 - ii) Small tip mouse-tooth tissue tweezer *(708-1730)
 - iii) Scissors:
 - (1) Straight *(499-7045)
 - (2) Iris *(089-3743)
 - (3) Suture *(499-6781)
 - iv) Syngauze 2”X2” 4-ply *(606-3911)



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Notes:

8) Ancillary Instruments and Materials:

- a) Periosteal Elevator *(577-1605)
- b) Scalpel Handle *(089-4519)
- c) Needle Holders *(498-6824)
- d) Suture Material:
 - i) Routine Oral Surgery
 - Non-absorbable Black silk 6-0 18" C-22 3/8 needle *(371-4136)
 - ii) Grafting Procedures
 - (1) Absorbable Plain gut 5-0 18" C-3 3/8 needle *(408-9231)
 - (2) Monocryl (Ethicon) 4-0 18" P-3 1/2 needle *(371-4367)
- e) Scalpel Blades:
 - i) #12 10/pkg *(089-5110)
 - ii) #15 10/pkg *(089-5128)
- f) Infection Control materials, sprays, barriers, gowns, gloves, etc.

***Patterson Dental Supply USA/Patterson Dental Dentaire Canada**

****Aseptico Inc. or check on availability through local Patterson Branch**

*****Henry Schein**

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Notes:

Placement Instruments (Level 1)

- Cold sterilized and sterile H₂O washed 3-D Drill Guide Stent
- Sterile tray drape
- SS sterile saline cup
- Lip retractor
- Perforation detection instrument
- Sterile non-cotton 2 X 2s
- Two suction tips
- Mouse tooth forceps (tweezers)
- Russian forceps (tweezers)
- Small sharp tip scissor
- Larger angled scissor
- Blade handle
- Needle forceps (holder)
- Medium irrigation syringe (412)
- Tissue curettes (2)



Grafting Set Up (Level 2)

- Top sterile tray drape
- Gloves, mask
- Periosteal elevator – may be used with mallet
- GBR AllodermTM barrier graft material (Life Cell Corp)
- Freeze dried demineralized bone particles – Matrix Plugs (OsteotecTM)
- Small SS hydration cup
- Tetracycline capsules (250 or 500 mg)
- #15 blade, #12 blade
- Gut suture – 5.0 with C3 reverse cutting needle (LOOK[®])
- Monocryl (Ethicon[®]) 5.0 P-3 Needle
- Calcium sulfate – medical grade



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Aseptico AEU 707-Av2 Setup – Internal Irrigation

Notes:

1.



1. Internal Irrigation Assembly

If you are using the recommended AEU 707-Av2 placement console system and the AHP-85, the following is provided:

Silicone tubing set

1. 6' silicone tubing
2. Bayonet
3. Barbed connector

Cannula Clip Set

1. 6" Silicone tube
2. Bent cannula
3. Clips for AHP-61 hand piece

The doctor will provide the sterile H₂O or sterile NaCl H₂O in 250 ml plastic bag container.

2.



250ml bag of H₂O
or NaCl H₂O

Long bag stem

Short bag stem

Barbed end

Bayonet inserted
into stem to
punctuate seal

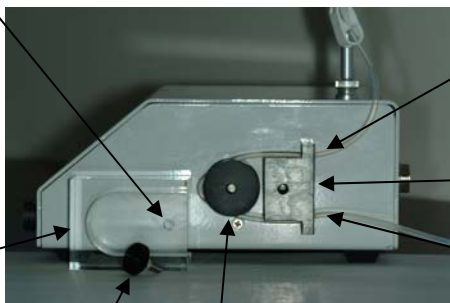
Pinch valve

2. Bayonet use: Connection from bag to tubing.

3. Silicone tubing must be fully placed into fixture troughs top and bottom so that clear sheath may be placed from front to back over pump and black tube fixture securely in order that the thumb screw may be replaced and tightened through both.

3.

Thumb screw hole



Trough 1

Two trough tube
fixture with
thumb screw hole

Trough 2

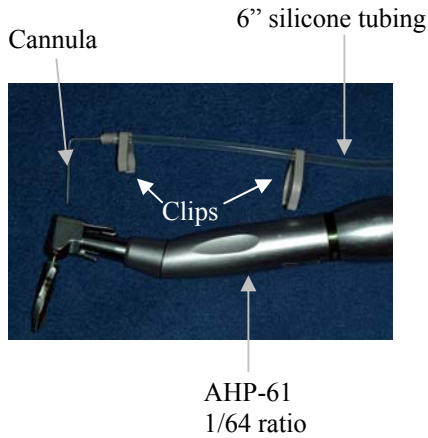
Clear sheath

Thumb Screw

Pump

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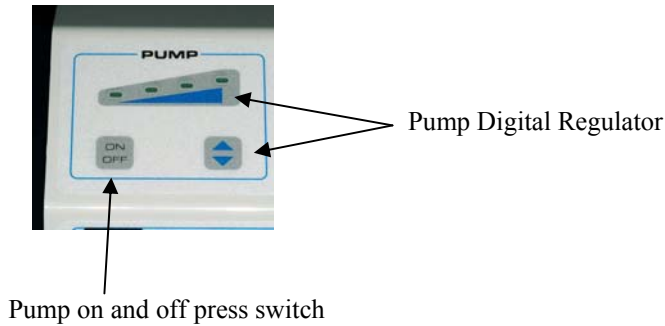
4.



4. Cannula clip set expands over AHP-85 with the cannula proceeding through hand piece and into internally irrigated osteotomy bur and drill extender if utilized.

Notes:

5.



5. One light on pump = Low volume of H₂O
Four lights on pump = High volume of H₂O

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Alternative Method of Internal Irrigation

Notes:

BASIC Implant Company recommends the Aseptico-AEU-707Av2 with the built-in positive pressure irrigation system. Should you already have the Aseptico endo unit AEU-25 (Tulsa Dental) a pressure cuff irrigation system is available which will accept the cannula clip set. This allows you to use internal irrigation with the AEU-25. This product is available from Aseptico at 1-800-426-5913. The product number is NWS-9 BASIC.



Which ever system fits your needs best is up to you but remember that Internal irrigation is a must!

The handpiece recommended is the Aseptico AHP-85, 1/20 reduction contra angle, high torque "E" type handpiece. It is not recommended that a high speed air turbine hand piece be used around surgical sites, air embolism potential is great.

BASIC Dental Implant Company finds Aseptico products to be exceptional, moderately priced, extremely tough and long lasting.

Should you have any questions concerning product choice please call Randy Drumm at 800-426-5913.

Implant failure is the lack of long term osseointegration (ankylosis) of the implant body. This can obviously be the result of numerous factors and conditions. One of the most significant is the overheating of bone during the drilling of the osteotomy channel prior to implant placement. Bone cells are destroyed to some extent when invasive procedures are carried out, but bone drilling without adequate irrigation can spell the death knell to healing around an avascular root of titanium. Sufficient sterile water used as coolant is necessary to insure a good outcome.

The BASIC protocol calls for cool internal irrigation along with periodic drilling rests. These 20 seconds rest periods allow the bone adjacent to the channel preparation to return to a fairly normal temperature.