### Ethicon LIGAclip® Multi-Clip Applier

#### Minimize Vessel Damage
- **Non-retracting jaws**
  - Designed to decrease trauma to vessels and potential for tissue damage.

#### Last-clip lockout
- Designed to help prevent vessel damage.
- Yes
- Yes

#### Improve Visibility
- **Blue titanium clips**
  - Designed to improve visibility of clips from the jaw.
  - Silver titanium clips, same color as the jaw.
- Silver titanium clips, same color as jaws.

- **30 degree jaw angle**
  - Designed to enhance clip visibility during applying.
  - 15 degree jaw angle.
  - 15 degree jaw angle.

#### Maximize Clip Security
- **Greater clip security**
  - LIGAclip® MCA small clip is more secure than the Covidien Premium Surgiclip™ S-9.0 small clip.*

- **Anti-clip drop feature**
  - Designed to make clips more secure in applier and allow surgeon to telescope on tissue.

- **Proprietary lateral and transverse grooves**
  - Designed for secure fixation on the structure and increased resistance to dislodgement of a formed clip.

- **Complete clip closure**
  - Designed to provide proximal to distal closure with minimal gap.

#### Anti-backup feature
- Designed to provide controlled jaw closure and clip formation to minimize dropped or malformed clips if the firing cycle is paused.

#### Clip indicator
- Yellow clip indicator follows the last clip and provides a visual reference of the quantity of clips remaining.

#### User Friendly
- **Ratchet mechanism**
  - Ratchet closure only, designed to help prevent improper use and provide controlled jaw closure and clip formation.

- **Handle**
  - One handle fits all.

- **Clip size and Count**
  - Large/ Medium/ Small clips available with Long/ Medium/ Short shafts.
  - 30 clips available in Medium shaft length, while 20 clips available in Long/ Medium/ Short shaft lengths.

#### Differentiators

- **Clip color visibility differentiator.**
- **Super Interlock clips.**
  - More secure fixation of clip to tissue provides greater ligation security.

- **Transverse clip security**

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*Benchtop testing comparing mean retention force of MCS20 to Covidien Premium Surgiclip™ S-9.0: 43% greater axial clip retention force (1.2373 lbs. vs 0.8650 lbs.) and 45% greater transverse clip retention force (0.50920 lbs. vs 0.35177 lbs) using elastomeric tubing, p < 0.05.

**Benchtop testing comparing mean proximal clip gap of MCS20 to Covidien Surgiclip S-9.0 (0.001580 in. vs. 0.002458 in.), p < 0.05.

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