INSTRUMENTATION:

**Osteochondral Flap Repair Single Shot Set (AR-4099S)**
- sterile, qty. 5, single use, includes:
  - Osteochondral Flap Repair Single Shot Sheath
  - Osteochondral Flap Repair Single Shot Dart Inserter
  - Osteochondral Flap Repair Single Shot Drill
  - Osteochondral Flap Repair Single Shot Cannula

**Osteochondral Flap Repair Multi-Shot Set (AR-4095S)**
- sterile, single use, includes:
  - Osteochondral Flap Repair Single Shot Sheath
  - Osteochondral Flap Repair Single Shot Dart Inserter
  - Osteochondral Flap Repair Single Shot Drill
  - Osteochondral Flap Repair Single Shot Cannula
  - Osteochondral Flap Repair Blunt Pin
  - Osteochondral Flap Repair 2 Hole Guide Sleeve
  - Osteochondral Flap Repair 4 Hole Guide Sleeve
  - Osteochondral Flap Repair Drill Pins, S, M, L & XL
  - Chondral Dart
     - 18 mm, sterile, qty. 5, single use

Osteochondral Flap Repair Sets are packaged in a convenient, disposable plastic case with an easy tear-off lid.

U.S. PATENT NO. 6,279,053
The translucent Osteochondral Flap Repair 4-Hole Guide Sleeve is used to reduce the osteochondral lesion and apply compression during the placement of Chondral Darts. A smaller 2-hole guide sleeve may be favored for smaller lesions.

For flap tears of 1 cm or less, the surgeon may select the single shot method. The single shot sheath allows for firm reduction and compression of the flap while permanent fixation of the lesion is performed. The sheath is applied to the flap perpendicular to its bone bed to assure secure fixation.

The bioabsorbable PLLA Chondral Dart has a unique double reversed barb design to facilitate superior compression and fixation of osteochondral lesions up to 2 centimeters in diameter. The 18 mm long, 1.3 mm diameter Chondral Dart provides secure fixation under the hyaline cartilage surface to eliminate contact with sensitive articulating surfaces.

For osteochondral fractures or OCD lesions that are greater than 1 centimeter, the surgeon may select the Multi-Shot method for introducing multiple Chondral Darts to secure the flap, while maintaining atraumatic compression of the fragment throughout the procedure.

A minimum of two Chondral Darts will successfully apply the appropriate compression and rotational control of the fragment. Postoperative management at the conclusion of either procedure includes passive range of motion exercises and protective weight-bearing for 4-6 weeks.

A series of four stepped Osteochondral Flap Repair Drill Pins are used to create pilot holes within the osteochondral fragment prior to insertion of the Chondral Darts. Each drill pin is specifically marked and placed into the guide sleeve in sequence.

A pilot hole is drilled with the Osteochondral Flap Repair Single Shot Trocar through the sheath. The 18 mm Chondral Dart is loaded into the end of the sheath. The inserter is placed into the sheath to deliver the Dart 1-2 mm below the hyaline surface.

Maintenance placement of two Chondral Darts will successfully apply the appropriate compression and rotational control of the fragment. The combination of the stepped drill pins and the concave translucent guide sleeve maintains compression to the fragment until the necessary number of Darts are placed to successfully reduce and stabilize the lesion.
The translucent Osteochondral Flap Repair 4-Hole Guide Sleeve is used to reduce the osteochondral lesion and apply compression during the placement of Chondral Darts. A smaller 2-hole guide sleeve may be favored for smaller lesions.

For flap tears of 1 cm or less, the surgeon may select the single shot method. The single shot sheath allows for firm reduction and compression of the flap while permanent fixation of the lesion is performed. The sheath is applied to the flap perpendicular to its bone bed to assure secure fixation.

The bioabsorbable PLLA Chondral Dart has a unique double reversed barb design to facilitate superior compression and fixation of osteochondral lesions up to 2 centimeters in diameter. The 18 mm long, 1.3 mm diameter Chondral Dart provides secure fixation under the hyaline cartilage surface to eliminate contact with sensitive articulating surfaces.

For osteochondral fractures or OCD lesions that are greater than 1 centimeter, the surgeon may select to use the Multi-Shot method for introducing multiple Chondral Darts to secure the flap, while maintaining appropriate compression of the fragment throughout the procedure.

Minimum placement of two Chondral Darts will successfully apply the appropriate compression and rotational control of the fragment. Postoperative management at the conclusion of either procedure includes passive range of motion exercises and protective weight-bearing for 4-6 weeks.

A series of four stepped Osteochondral Flap Repair Drill Pins are used to create pilot holes within the osteochondral fragment. A pilot hole is drilled with the Osteochondral Flap Repair Single Shot Trocar through the sheath. The 18 mm Chondral Dart is loaded into the end of the sheath. The combination of the stepped drill pins and the concave translucent guide sleeve maintain appropriate compression throughout the reduction process. Each drill pin is specifically marked and placed into the guide sleeve in sequence.

A minimum of three Chondral Darts is recommended to secure fragments greater than 1 cm in diameter. Compression is maintained on the osteochondral fragment by the guide sleeve until the necessary number of Darts are placed to successfully reduce and stabilize the lesion.

Once inserted into the sheath, a Single Shot Dart Inserter is used to deliver the dart into the pilot hole, recessing the Dart 2 mm below the hyaline cartilage surface. With light taps on the inserter, confirmation that the Dart is seated is made when the inserter contacts the back of the sheath.

Once inserted into the sheath, a Single Shot Dart Inserter is used to deliver the dart into the pilot hole, recessing the Dart 2 mm below the hyaline cartilage surface. With light taps on the inserter, confirmation that the Dart is seated is made when the inserter contacts the back of the sheath.

A series of four stepped Osteochondral Flap Repair Drill Pins are used to create pilot holes within the osteochondral fragment. A pilot hole is drilled with the Osteochondral Flap Repair Single Shot Trocar through the sheath. The 18 mm Chondral Dart is loaded into the end of the sheath. The combination of the stepped drill pins and the concave translucent guide sleeve achieves maintenance of compression to the fragment while permanent fixation is carried out. Once reduction and temporary fixation is achieved the stepped drill pins are removed one at a time.

The combination of the stepped drill pins and the concave translucent guide sleeve maintain appropriate compression while permanent fixation is carried out. Once reduction and temporary fixation is achieved the stepped drill pins are removed one at a time.

A minimum of three Chondral Darts is recommended to secure fragments greater than 1 cm in diameter. Compression is maintained on the osteochondral fragment by the guide sleeve until the necessary number of Darts are placed to successfully reduce and stabilize the lesion.

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A series of four stepped Osteochondral Flap Repair Drill Pins are used to create pilot holes within the osteochondral fragment. A pilot hole is drilled with the Osteochondral Flap Repair Single Shot Trocar through the sheath. The 18 mm Chondral Dart is loaded into the end of the sheath. The combination of the stepped drill pins and the concave translucent guide sleeve achieves maintenance of compression to the fragment while permanent fixation is carried out. Once reduction and temporary fixation is achieved the stepped drill pins are removed one at a time.

A series of four stepped Osteochondral Flap Repair Drill Pins are used to create pilot holes within the osteochondral fragment. A pilot hole is drilled with the Osteochondral Flap Repair Single Shot Trocar through the sheath. The 18 mm Chondral Dart is loaded into the end of the sheath. The combination of the stepped drill pins and the concave translucent guide sleeve achieves maintenance of compression to the fragment while permanent fixation is carried out. Once reduction and temporary fixation is achieved the stepped drill pins are removed one at a time.

A series of four stepped Osteochondral Flap Repair Drill Pins are used to create pilot holes within the osteochondral fragment. A pilot hole is drilled with the Osteochondral Flap Repair Single Shot Trocar through the sheath. The 18 mm Chondral Dart is loaded into the end of the sheath. The combination of the stepped drill pins and the concave translucent guide sleeve achieves maintenance of compression to the fragment while permanent fixation is carried out. Once reduction and temporary fixation is achieved the stepped drill pins are removed one at a time.

A series of four stepped Osteochondral Flap Repair Drill Pins are used to create pilot holes within the osteochondral fragment. A pilot hole is drilled with the Osteochondral Flap Repair Single Shot Trocar through the sheath. The 18 mm Chondral Dart is loaded into the end of the sheath. The combination of the stepped drill pins and the concave translucent guide sleeve achieves maintenance of compression to the fragment while permanent fixation is carried out. Once reduction and temporary fixation is achieved the stepped drill pins are removed one at a time.

A series of four stepped Osteochondral Flap Repair Drill Pins are used to create pilot holes within the osteochondral fragment. A pilot hole is drilled with the Osteochondral Flap Repair Single Shot Trocar through the sheath. The 18 mm Chondral Dart is loaded into the end of the sheath. The combination of the stepped drill pins and the concave translucent guide sleeve achieves maintenance of compression to the fragment while permanent fixation is carried out. Once reduction and temporary fixation is achieved the stepped drill pins are removed one at a time.

A series of four stepped Osteochondral Flap Repair Drill Pins are used to create pilot holes within the osteochondral fragment. A pilot hole is drilled with the Osteochondral Flap Repair Single Shot Trocar through the sheath. The 18 mm Chondral Dart is loaded into the end of the sheath. The combination of the stepped drill pins and the concave translucent guide sleeve achieves maintenance of compression to the fragment while permanent fixation is carried out. Once reduction and temporary fixation is achieved the stepped drill pins are removed one at a time.

A series of four stepped Osteochondral Flap Repair Drill Pins are used to create pilot holes within the osteochondral fragment. A pilot hole is drilled with the Osteochondral Flap Repair Single Shot Trocar through the sheath. The 18 mm Chondral Dart is loaded into the end of the sheath. The combination of the stepped drill pins and the concave translucent guide sleeve achieves maintenance of compression to the fragment while permanent fixation is carried out. Once reduction and temporary fixation is achieved the stepped drill pins are removed one at a time.

A series of four stepped Osteochondral Flap Repair Drill Pins are used to create pilot holes within the osteochondral fragment. A pilot hole is drilled with the Osteochondral Flap Repair Single Shot Trocar through the sheath. The 18 mm Chondral Dart is loaded into the end of the sheath. The combination of the stepped drill pins and the concave translucent guide sleeve achieves maintenance of compression to the fragment while permanent fixation is carried out. Once reduction and temporary fixation is achieved the stepped drill pins are removed one at a time.

A series of four stepped Osteochondral Flap Repair Drill Pins are used to create pilot holes within the osteochondral fragment. A pilot hole is drilled with the Osteochondral Flap Repair Single Shot Trocar through the sheath. The 18 mm Chondral Dart is loaded into the end of the sheath. The combination of the stepped drill pins and the concave translucent guide sleeve achieves maintenance of compression to the fragment while permanent fixation is carried out. Once reduction and temporary fixation is achieved the stepped drill pins are removed one at a time.

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The translucent Osteochondral Flap Repair 4-Hole Guide Sleeve is used to reduce the osteochondral lesion and apply compression during the placement of Chondral Darts. A smaller 2-hole guide sleeve may be favored for smaller lesions.

For flap tears of 1 cm or less, the surgeon may select the single shot method. The single shot sheath allows for firm reduction and compression of the flap while permanent fixation of the lesion is performed. The sheath is applied to the flap perpendicular to its bone bed to assure secure fixation.

The bioabsorbable PLLA Chondral Dart has a unique double reversed barb design to facilitate superior compression and fixation of osteochondral lesions up to 2 centimeters in diameter. The 18 mm long, 1.3 mm diameter Chondral Dart provides secure fixation under the hyaline cartilage surface to eliminate contact with sensitive articulating surfaces.

For osteochondral fractures or OCD lesions that are greater than 1 centimeter, the surgeon may select to use the Multi-Shot method for introducing multiple Chondral Darts to secure the flap, while maintaining optimal compression of the fragment throughout the procedure.

Minimum placement of two Chondral Darts will successfully apply the appropriate compression and rotational control of the fragment. Postoperative management at the conclusion of either procedure includes passive range of motion exercises and protective weight-bearing for 4-6 weeks.

A series of four stepped Osteochondral Flap Repair Drill Pins are used to create pilot holes within the osteochondral fragment. The stepped drill pins are separated with a 18 mm long Chondral Dart. Each drill pin is specifically marked and placed into the guide sleeve in sequence.

The combination of the stepped drill pins and the concave translucent guide sleeve maintain maintenance of compression throughout the fixation process. Once reduction and temporary fixation is achieved the stepped drill pins are removed one at a time.

Once inserted into the sheath, a Single Shot Darter Inserter is used to deliver the dart into the pilot hole, recessing the Dart 2 mm below the hyaline cartilage surface. With light taps on the inserter, confirmation that the Dart is seated is made when the inserter contacts the back of the sheath.

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A minimum of three Chondral Darts is recommended to secure fragments greater than 1 cm in diameter. Compression is maintained on the osteochondral fragment by the guide sleeve until the necessary number of Darts are placed to successfully reduce and stabilize the lesion.

A series of four stepped Osteochondral Flap Repair Drill Pins are used to create pilot holes within the osteochondral fragment. The stepped drill pins are separated with a 18 mm long Chondral Dart. Each drill pin is specifically marked and placed into the guide sleeve in sequence.

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Surgical Technique

This description of technique is provided as an educational tool and clinical aid to assist properly licensed medical professionals in the usage of specific Arthrex products. As part of this professional usage, the medical professional must use their professional judgment in making any final determinations in product usage and technique. In doing so, the medical professional should rely on their own training and experience and should conduct a thorough review of pertinent medical literature and the product’s Directions For Use.

INSTRUMENTATION:

Osteochondral Flap Repair Single Shot Set (AR-4009S)
sterile, qty. 5, single use, includes:
- Osteochondral Flap Repair Single Shot Sheath
- Osteochondral Flap Repair Single Shot Dart Inserter
- Osteochondral Flap Repair Single Shot Drill
- Osteochondral Flap Repair Single Shot Cannula

Osteochondral Flap Repair Multi-Shot Set (AR-4095S)
sterile, single use, includes:
- Osteochondral Flap Repair Single Shot Sheath
- Osteochondral Flap Repair Single Shot Dart Inserter
- Osteochondral Flap Repair Single Shot Drill
- Osteochondral Flap Repair Single Shot Cannula
- Osteochondral Flap Repair Blunt Pin
- Osteochondral Flap Repair 2-Hole Guide Sleeve
- Osteochondral Flap Repair 4-Hole Guide Sleeve
- Osteochondral Flap Repair Drill Pins, S, M, L & XL

Chondral Dart
18 mm, sterile, qty. 5, single use

Osteochondral Flap Repair Sets are packaged in a convenient, disposable plastic case with an easy tear-off lid.

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Osteochondral Flap Repair System with Chondral Dart™

Surgical Technique

This description of technique is provided as an educational tool and clinical aid to assist properly licensed medical professionals in the proper use of the product. As part of this professional usage, the medical professional must use their professional judgment in making any final determinations in product usage and technique. In doing so, the medical professional should rely on their own training and experience and should conduct a thorough review of pertinent medical literature and the product’s Directions For Use.

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INSTRUMENTATION:

Osteochondral Flap Repair Single Shot Set (AR-4009S)

sterile, qty. 5, single use, includes:
- Osteochondral Flap Repair Single Shot Sheath
- Osteochondral Flap Repair Single Shot Dart Inserter
- Osteochondral Flap Repair Single Shot Drill
- Osteochondral Flap Repair Single Shot Cannula

Osteochondral Flap Repair Multi-Shot Set (AR-4095S)

sterile, single use, includes:
- Osteochondral Flap Repair Single Shot Sheath
- Osteochondral Flap Repair Single Shot Dart Inserter
- Osteochondral Flap Repair Single Shot Drill
- Osteochondral Flap Repair Single Shot Cannula
- Osteochondral Flap Repair Multi-Shot Sheath
- Osteochondral Flap Repair 2-Hole Guide Sleeve
- Osteochondral Flap Repair 4-Hole Guide Sleeve
- Osteochondral Flap Repair Drill Pins, S, M, L & XL
- Chondral Dart

18 mm, sterile, qty. 5, single use

Osteochondral Flap Repair Sets are packaged in a convenient, disposable plastic case with an easy tear-off lid.

U.S. PATENT NO. 6,279,593

Chondral Dart

AR-4005B-18

18 mm, sterile, qty. 5, single use

Osteochondral Flap Repair Sets are packaged in a convenient, disposable plastic case with an easy tear-off lid.

INSTRUMENTATION:

Osteochondral Flap Repair Single Shot Set (AR-4009S)

sterile, qty. 5, single use, includes:
- Osteochondral Flap Repair Single Shot Sheath
- Osteochondral Flap Repair Single Shot Dart Inserter
- Osteochondral Flap Repair Single Shot Drill
- Osteochondral Flap Repair Single Shot Cannula

Osteochondral Flap Repair Multi-Shot Set (AR-4095S)

sterile, single use, includes:
- Osteochondral Flap Repair Single Shot Sheath
- Osteochondral Flap Repair Single Shot Dart Inserter
- Osteochondral Flap Repair Single Shot Drill
- Osteochondral Flap Repair Single Shot Cannula
- Osteochondral Flap Repair Multi-Shot Sheath
- Osteochondral Flap Repair 2-Hole Guide Sleeve
- Osteochondral Flap Repair 4-Hole Guide Sleeve
- Osteochondral Flap Repair Drill Pins, S, M, L & XL
- Chondral Dart

18 mm, sterile, qty. 5, single use

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U.S. PATENT NO. 6,279,593

Chondral Dart

AR-4005B-18

18 mm, sterile, qty. 5, single use

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