Advanced Core Decompression
The Comprehensive Solution
Instrumentation and Grafting
Treatment of Avascular Necrosis (AVN) of the hip can be a life-altering event, particularly for younger, active patients that may face a prosthetic joint arthroplasty. Core decompressions have been used with success in Ficat stage I and II AVN.\textsuperscript{1,2,3,4}

The Advanced Core Decompression System includes the reusable X-REAM\textsuperscript{®} Percutaneous Expandable Reamer that allows optimized debridement when used in conjunction with a standard core decompression, a single-use, disposable instrument kit (sold separately) designed to efficiently facilitate a standard core decompression, and PRO-DENSE\textsuperscript{®} Injectable Graft for backfilling the surgically-created defect.

These instruments have been carefully selected and tested to simplify the technique for efficiency and consistency and to possibly provide a more cost effective outcome.\textsuperscript{5}

**X-REAM\textsuperscript{®} Percutaneous Expandable Reamer**

**Advanced Core Decompression: Debride more through the same hole with the X-REAM\textsuperscript{®} Expandable Reamer**

**PRO-DENSE\textsuperscript{®} and PRO-STIM\textsuperscript{®} Core Decompression Kits**

All-inclusive, single use procedure kits for standard core decompressions
Predicatable Bone Regeneration

PRO-DENSE® Injectable Regenerative Graft has a unique triphasic resorption profile that provides an ideal environment for the direct deposition of bone by binding growth factors and by providing a slow-resorbing matrix that supports healing across the defect.

Accelerate Healing

PRO-STIM® Injectable Inductive Graft is the next step in composite grafting technology. Built on the PRO-DENSE® material platform as a combination of calcium sulfate and calcium phosphate, PRO-STIM® graft adds demineralized bone matrix (DBM) for osteoinductive factors to speed the healing and remodeling process.

Note: Published data suggests that core decompressions in later stage AVN (Stage IIB, III, or IV) may result in poorer outcomes. The included PRO-DENSE® or PRO-STIM® Graft should not be used in late stage AVN where the graft may be subject to loading.

Over 4 years of clinical performance in challenging applications

Osteonecrosis: Bilateral Hips | Forty-Two Year-Old Female with idiopathic AVN of both hips (both Stage II AVN)

Images courtesy of Robert Heck, MD Campbell Clinic, Memphis, TN

DBM-Containing, Setting Option

PRO-STIM® Injectable Inductive Graft

Accelerate Healing

Sets
Resorbs
Induces Bone Formation
ORDERING INFORMATION

X-REAM® Percutaneous Expandable Reamer
1000-KIT2 WRIGHT EXPRESS® Kit
20BL1200 X-REAM® Blade

Core Decompression Kits
87SR-CK15 PRO-DENSE® Core Decompression Kit – 15cc
86SR-CK15 PRO-STIM® Core Decompression Kit – 15cc

PRO-DENSE® Injectable Regenerative Graft
87SR-0404 4cc
87SR-0410 10cc
87SR-0420 20cc

PRO-STIM® Injectable Inductive Graft
86SR-0404 4cc
68SR-0410 10cc
86SR-0420 20cc

REFERENCES
7. All claims based on a canine critical size defect model. The accelerated rate of healing of the PRO-DENSE® treated defects compared to those treated with autograft is principally evident by the higher density bone and superior average mechanical properties at 13 weeks. It is unknown how results from the canine model compare with clinical results in humans. Data on file at Wright.

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