FlexHD® Acellular Hydrated Dermis
AN ADVANCEMENT IN BREAST RECONSTRUCTION PROCEDURES
The acellular allograft
A BREAKTHROUGH FOR SURGEONS AND PATIENTS

Acellular dermal allografts are donated human dermis that has been processed to remove the components that could result in any immune/inflammatory response and trigger rejection. What remains is an undamaged tissue matrix, capable of natural, full regeneration after implant.

OPERATIVE BENEFITS OF FlexHD® Acellular Hydrated Dermis

- Hydrated and ready-to-use off the shelf
  - Hydration of some freeze-dried grafts can require 40 minutes
- Does not require refrigeration
- Provided sterile*
- Minimizes handling in the OR by people other than surgeons for less chance of contamination
- Quality and safety assurance from the Musculoskeletal Transplant Foundation (MTF)* with over 4 million grafts distributed since 1987

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FlexHD®
THE ACELLULAR HUMAN DERMIS OF CHOICE

FlexHD® is a unique hydrated acellular human dermis. It provides an acellular (nonimmunogenic) tissue matrix with excellent biomechanical strength.1,6,7

OPERATIVE BENEFITS OF FlexHD® WHEN USED IN BREAST RECONSTRUCTION

- Demonstrates revascularization after 8 weeks8,9
- Demonstrates minimal inflammatory response9
- Available in matched pairs for consistent bilateral breast reconstruction
- Allows for an immediate breast pocket and helps to define the inframammary fold10
- Comes from Mentor, the name you already trust in breast reconstruction surgery

PROVIDING STRENGTH, VERSATILITY, AND NEW POSSIBILITIES IN BREAST RECONSTRUCTION

Reconstruction with implants has proven to be easier, quicker, and less traumatic than the use of autologous tissue, while offering acceptable aesthetic outcomes.11

FlexHD®, when used to accomplish complete coverage of a tissue expander or implant, enables the surgeon to create a larger submuscular pocket with durable lateral and lower pole support.11

FlexHD® can help create the ideal inframammary fold (IMF) and lateral mammary fold (LMF) during breast reconstruction. Additionally, the rectus abdominis and anterior rectus fascia, and/or muscles that otherwise would have been harvested in a TRAM procedure, are spared.11,13

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The annual number of musculoskeletal tissue transplants increased from approximately 350,000 in 1990 to over 1.6 million in 2006.4

— CENTER FOR BIOLOGICS EVALUATION AND RESEARCH

*Passes USP <71> sterility tests.
Implant procedures with FlexHD® Acellular Hydrated Dermis

SUPPLEMENT MUSCLE WITH REINFORCING SLING

The interposition of FlexHD® between the inferior border of the pectoralis major muscle and the IMF-LMF span provides secure support in the form of a sling.

BENEFITS OF ACELLULAR ALLOGRAFTS LIKE FlexHD®

- Supports and holds prosthesis in place, helping define shape and contour of reconstructed breast
- Provides a biologic interface between mastectomy skin flaps and prosthesis, potentially reducing the risk of necrosis and/or extrusion
- Obviates the need to create muscle or fascial defects to restore breast shape and contour
- In breast reconstruction surgery, FlexHD® has been shown to provide implant support, prevent bottoming out, and prevent extrusion of the implant through the skin

NIPPLE RECONSTRUCTION USING FlexHD®

Often the last stage in the procedure, successful nipple reconstruction can be one of the most important and challenging. When achieved, it can restore a patient’s sense of completeness and familiar body shape.

Long-term success has been achieved using acellular allografts such as FlexHD® as a central strut within a modified star flap. The dimensions of the flap width should be designed so that a projection overcorrection of 50% can be achieved to allow for postoperative projection loss.
FlexHD® Acellular Hydrated Dermis use in TRAM flap procedures

CLOSURE OF ABDOMINAL FASCIAL DEFECT

Since the introduction of the TRAM flap technique for breast reconstruction, the closure of abdominal donor site defects has posed a challenge.

Numerous studies have shown the improved outcomes that result from the use of acellular human dermis—such as FlexHD®—to provide an option for the repair of abdominal fascial defects after TRAM flap harvesting for breast reconstruction.

BENEFITS OF ACELLULAR ALLOGRAFTS LIKE FlexHD®

- FlexHD® integrates into the surrounding tissue with less chance of rejection or inflammation
- May avoid the need to perform a submuscular dissection
- Obviates the need for alternative techniques such as:
  - The surgical incision or transection of the external oblique muscle to facilitate closure
  - The use of synthetic mesh and the potential risk of infection which could lead to contracture or encapsulation

### FlexHD® Implant Product Specifications

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Additional sizes available.
The alliance with the Musculoskeletal Transplant Foundation (MTF), the largest tissue bank in the US, is another example of Mentor's commitment to advancing the standard of care in tissue repair.

FOR MTF, QUALITY AND SAFETY ARE IN THE DETAILS

• FlexHD® Acellular Hydrated Dermis passes rigorous safety testing using the latest technology
• Demonstrates all desired biomaterial properties before being made available for implantation
• Over 4 million grafts distributed since its inception in 1987

RESULT: A versatile, ready-to-use dermal matrix with an excellent safety record for the best outcomes in plastic surgery.

FlexHD® is used for the replacement of damaged or inadequate integumental tissue for the repair, reinforcement or supplemental support of soft tissue defects.

References:

Contact your Mentor Sales Representative for more information on FlexHD® in breast reconstruction procedures.