
Meril
More to Life

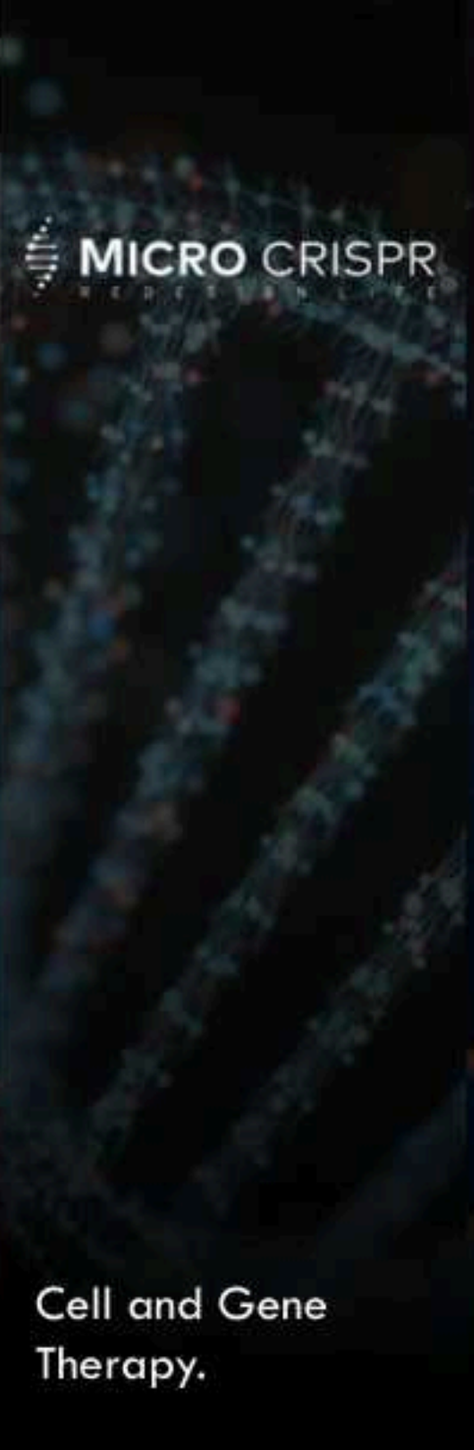
BILAKHIA HOLDINGS

Health | Wealth | Education



Meril

Global MedTech Group.



MICRO CRISPR

Cell and Gene Therapy.



M3 INVESTMENT

Value Investment Group.



Maa Foundation
Knowledge is growth

Empower through Knowledge.



Our Mission

To develop, manufacture & distribute clinically relevant, state-of-the-art & best-in-the-class products to alleviate human suffering & improve quality of life.

Meril is one of the fastest-growing MedTech companies in the world; driven by purpose.

If You Wish to Fast, Go Alone.

Meril – Gained Trust. Got Recognized & Awarded.

2011 – Freedom Knee



2015 – Meril





2016 – BioMime DES



- Meril R&D has built a strong IP portfolio
  - 300 granted patents
  - 800 trademarks
- E&Y Entrepreneur of the Year 2023 Award – HealthCare Sector











Meril – A Global Med-Tech Group

Core objective:

- To develop, manufacture & distribute clinically relevant, state-of-the-art & best-in-the-class products to alleviate human suffering & improve quality of life.

- Global med-tech hub for high quality, next generation technologies

Mumbai → Location → Vapi

Meril is located 100 miles north of Mumbai



In-house R&D, large scale (1.2 million sq. ft.), ultra-modern manufacturing dedicated to:

Cardio Vascular | Structural Heart | Ortho-pedics | Endo-Surgery | ENT | Medical Robotic | In-Vitro Diagnostics





Robust R&D and Manufacturing Infrastructure

- Dedicated R&D Complex
- More than 500+ R&D Personnel with cross functional relationships
- Large scale (1.2 million sq. ft.), ultra-modern manufacturing facility
- Vertical integration of all manufacturing processes



Meril's Clinical Research Collaboration

Professional Medical Education

New Technology Development



Clinical Research

Professional Medical Education

140+ Clinical Trials (RCT + Registries) | Enrolled 23,000+ Subjects Globally

Aim to complete 35,642 Subjects | 100+ Publications

	Cardio Vascular	Orthopedics	Endo-Surgery	Diagnostics
Clinical Studies*	106	20	11	2
# of Subjects	17,536	4,325	1,331	1,067
Review Articles	110	2	2	1
Case Reports	64	3	2	-

THE LANCET | CARDIOLOGY | EuroIntervention | JACC | European Journal of Orthopaedic Surgery & Traumatology | ESC European Society of Cardiology | ISJ International Surgery Journal | EJBPS | ODEP 7A+ | IJORO

Large team of **100+ experts** in-house study design to publication

Strong focus on generating clinical evidence & **peer reviewed publication**

Engage Physicians in registries & RCTs to establish **strong scientific evidence**

* Randomized Clinical Trials + Investigatory Initiated Studies + Registries

New Technology Development

Clinical Research



Professional Medical Education

Clinical Research

Meril ACADEMY

Commitment to Education & Training

MCI accredited CMEs across therapies



Dedicated live case transmissions & simulations



Specialized & curated programs for >10,000 HCPs



Large auditoria >750 seating capacity



National & International Faculty



>6,000 doctors engaged every year

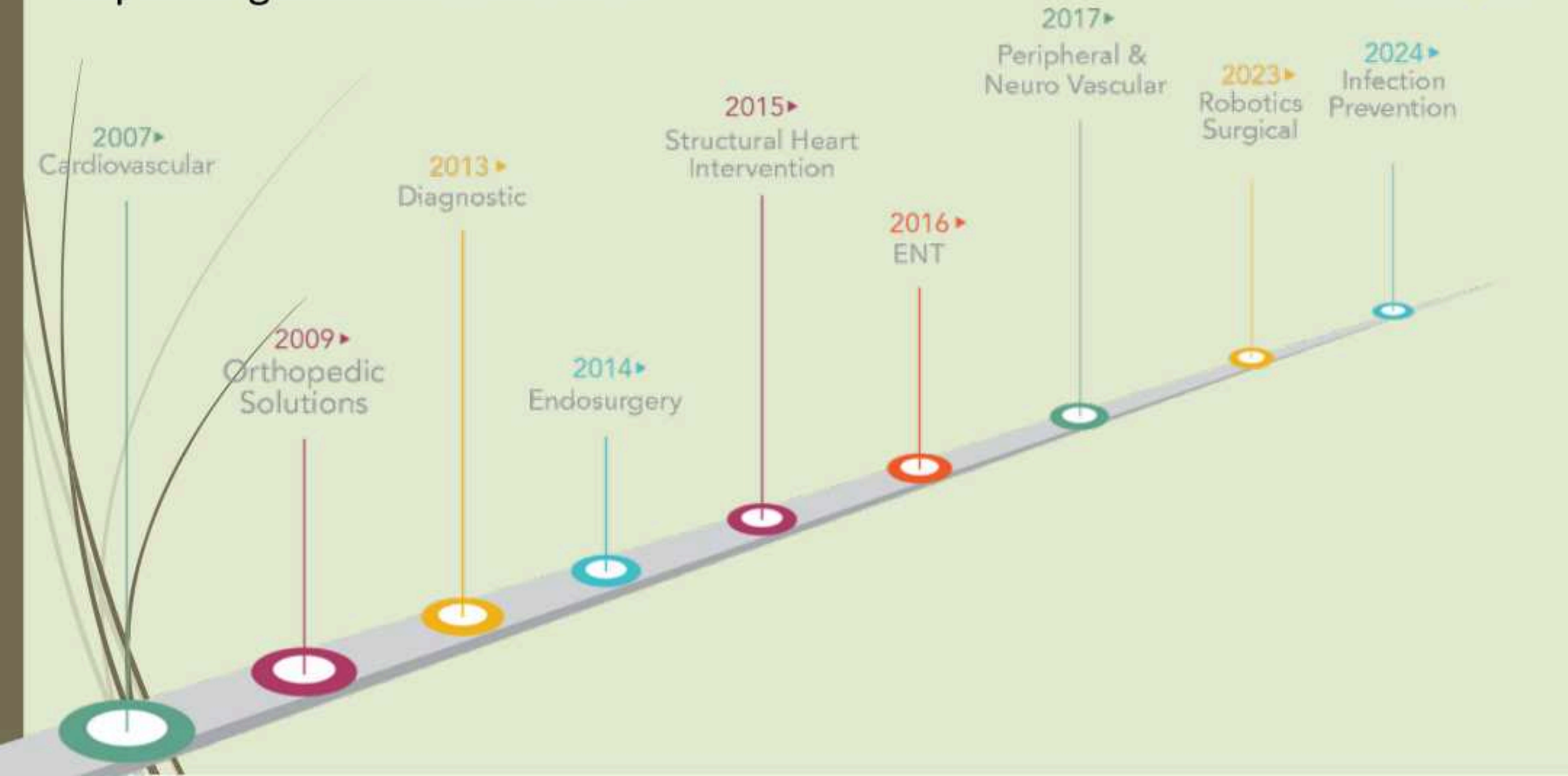




Meril Academy - New Global Locations

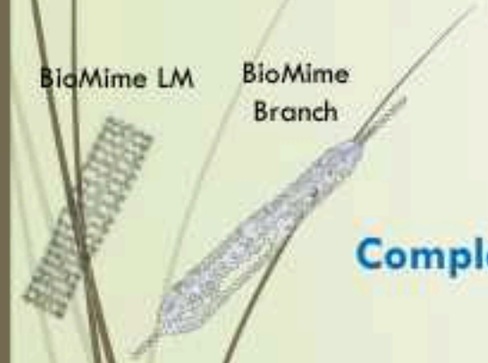
Philadelphia, USA	Sao Paulo, Brazil	Madrid, Spain	Frankfurt, Germany	Moscow, Russia	Istanbul, Turkey	New Delhi, India	Cochin, India

Expanding MedTech Horizons



Meril's CHIP- Complex Hybrid Interventional Procedure Toolkit









Aryam FFR

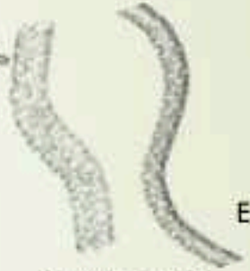
Non-Invasive Diagnosis

Complex Hybrid Interventional Procedure

Eclectic DES Portfolio



Mural DES



BioMime SES



EverMine50 EES

BioMime LM

BioMime Branch

Meril

CHIP Tool Kit

Complex PCI Solutions

Metal-less PCI



MeRes100 BRS



Mozec SEB

Dual Imaging StarBeam IVUS+OCT

Intravascular Imaging

Debulking Agents

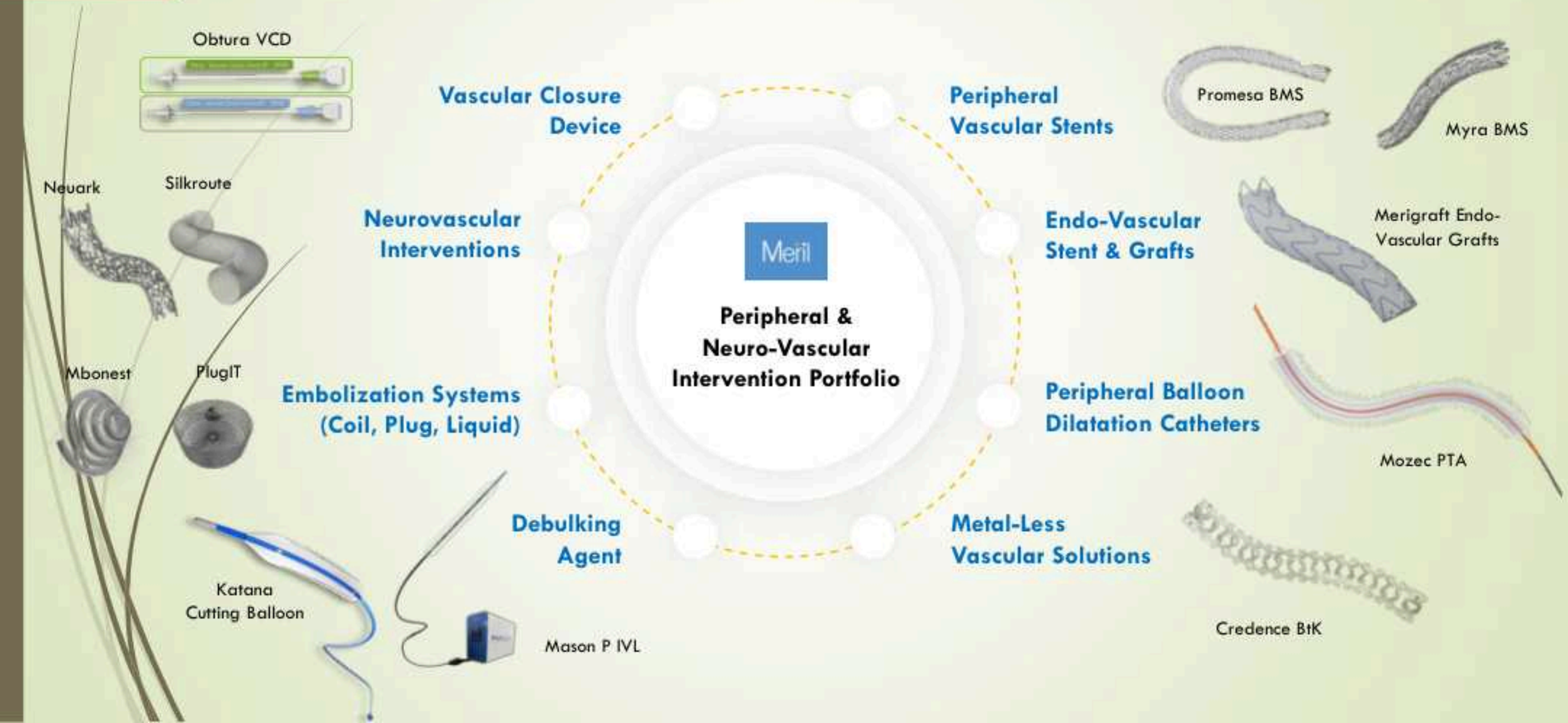


Katana Cutting Balloon



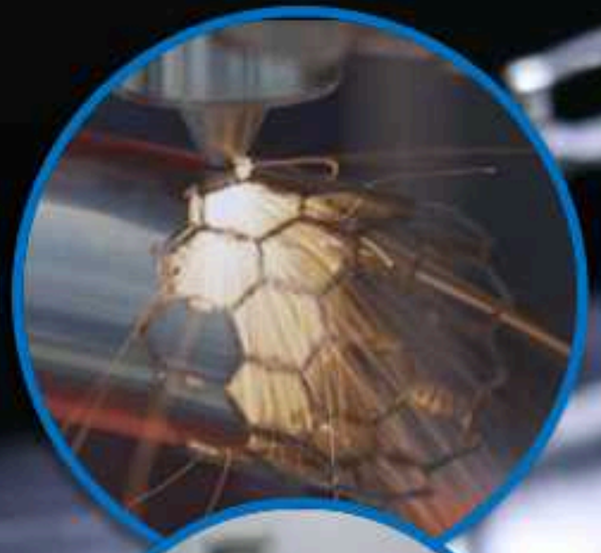
Mason C IVL

Meril's Peripheral & Neuro-Vascular Intervention Portfolio



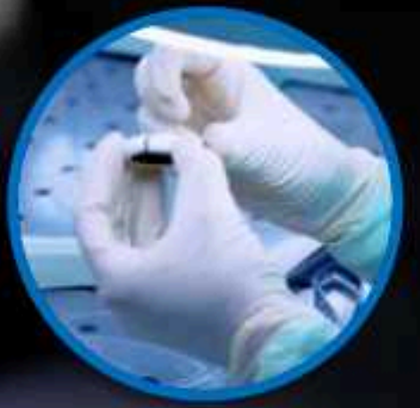
Meril – Structural Heart Intervention

India' s Leading Heart Valve company











Structural Heart Interventions

Full vertical integration for manufacturing of Surgical and Transcatheter heart valves

Producing more than 100,000 heart valves annually

Myval THV Series – Strong R&D Pedigree

Meril is a globally successful Cardiovascular (DES/BRS/DCB) & Structural Heart Interventions Company

- Meril R&D has indigenously developed transcatheter & surgical heart valve platforms.
- Since 2017, Meril Transcatheter & Surgical Heart Valves have been implanted in **100,000+ patients in > 95 countries**
- **50,000+** Myval Gen-1, Myval Octacor Gen-2 THV and Myval Octapro Gen-3 THV
- **51,000+** Dafodil + Flomero Surgical HV & Miltonia Mechanical HV
- Meril is perceived as a **dedicated and a serious** research group committed to innovations in TAVR and Structural Heart technologies.
- Myval THV series is perceived as the next generation Balloon Expandable (B/Ex) THV technology with novel features leading to predictable procedural convenience & positive clinical outcomes.



Meril Heart Valve Portfolio

1st Myval THV Gen-1 implanted on 29th June 2017, Dr. Ravinder Singh Rao, Dr. Samin Sharma, EHCC, Jaipur, India

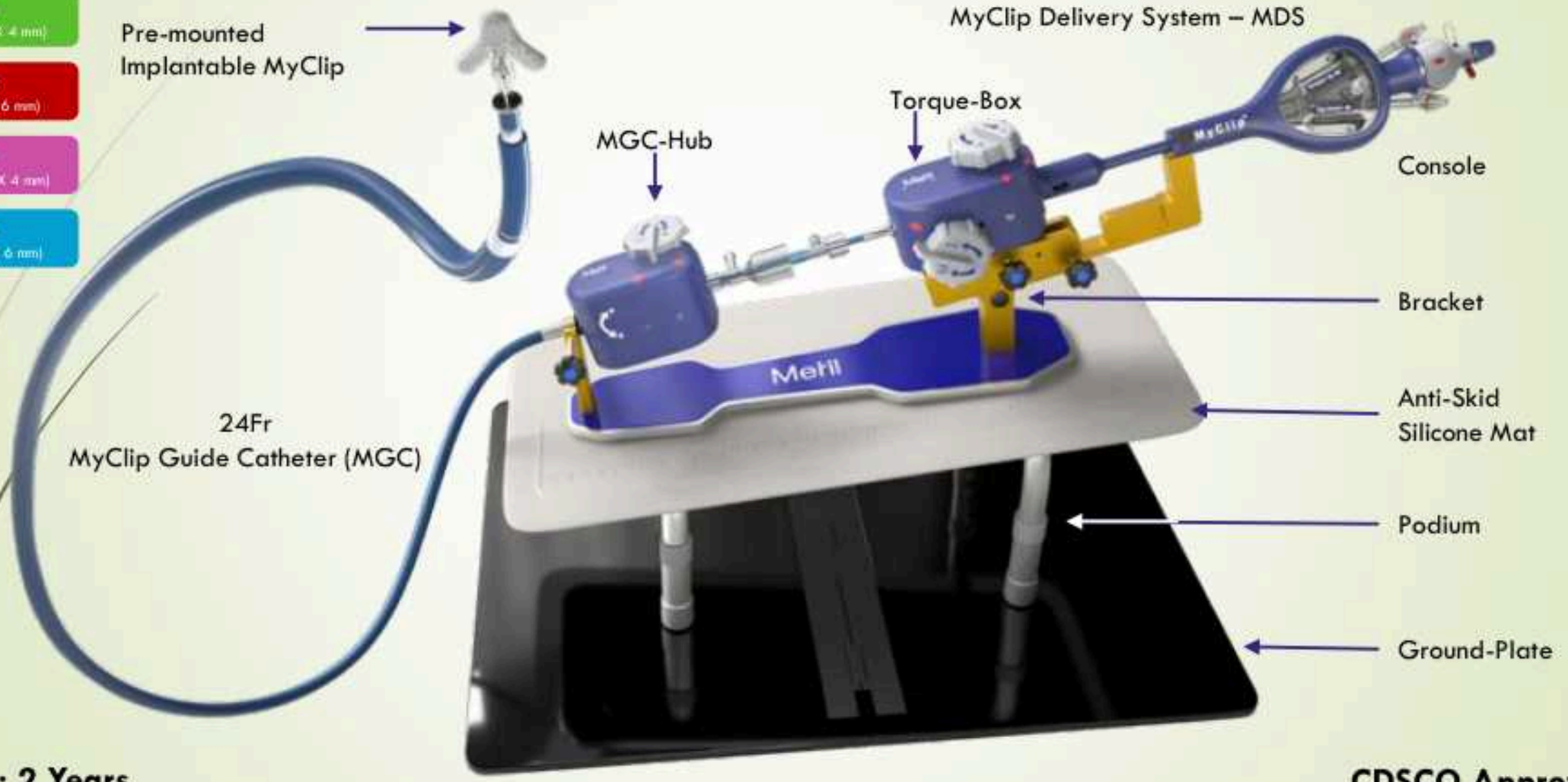
MyClip TEER System

SR0904
Short x Regular (9 X 4 mm)

SW0906
Short x Wide (9 X 6 mm)

LR1204
Long x Regular (12 X 4 mm)

LW1206
Long x Wide (12 X 6 mm)



Shelf Life: 2 Years

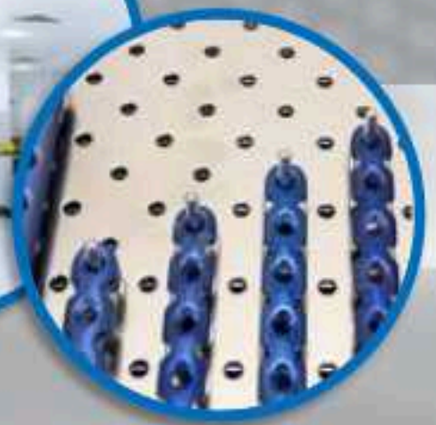
CDSCO Approved.

Meril – Orthopedics Manufacturi

India's No. 1 Joint (Knee & Hip) replacement company







Orthopedics

Full vertical integration
for manufacturing of joints,
spine and trauma range









Meril – Robotics Manufacturing









Surgical Robots

India's largest Surgical Robotic manufacturer powered by Merai

Meril's Orthopedic Portfolio



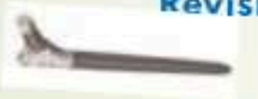
Misso Robotics



Dual Mobility Acetabular Cup



Cemented & Uncemented Hip



Revision Hip



Total Hip Replacement System

Meril

Orthopedic Portfolio

Total Knee Replacement System



Unicondylar Knee



Revision Knee



Surface Modified Knee



Poly Ethyl Ethyl Ketone (PEEK) Knee



Meril's EndoSurgery Portfolio



Mizzo 4000

Surgical Sutures



Mitsu



Profound A

Fixation Devices



Mitsu AB

Antibacterial Sutures

Meril

EndoSurgery Portfolio



Filaprop Mesh

Hernia Mesh

Mirus Powered Linear Cutter



Endoscopic Liner Cutter



Monik Trocar

Trocars

Haemorrhoids Staple

Mirus PPH





Mirus Skin Stapler

Skin Staplers

Powered Endo Cutter



Mirus Powered Endo Cutter



Mirus Ligation Clip

Ligation Clip

Circular Staplers



Mirus Circular

Meril – Invitro-Diagnostics











Diagnostics

Full vertical integration for manufacturing of analyzers & reagents

Meril's In-Vitro Diagnostics



Reagents



Biochemistry



Point of Care Testing

Meril

In-Vitro Diagnostics

Haematology





Genome Testing

Immuno Assay





PCR based Testing

Rapid Testing





Biologics

Innovations in Healing and Recovery

Mentored by

Dr. Parvinder Kaur

Regenerative Medicine and Synthetic Bone graft and allograft









Meril Advanced Regenerative Medicine and Synthetic Bone Graft Products

- A comprehensive portfolio of regenerative medicine products — spanning platelet-rich plasma systems, bone graft substitutes, growth factors, collagen matrices, and cell isolation kits — engineered for orthopaedic, dental, and surgical applications.

Commercially Available Biologics Product

Platelet-Rich Plasma & Blood Derivatives

Autologous blood-based therapies that concentrate growth factors to accelerate healing, reduce inflammation, and support tissue regeneration across orthopaedic, dental, and aesthetic indications.



PRP Isolation Kits

Kits 1/ 2 (20 ml), 3 (10 ml & 15 ml) — standardized systems for platelet concentration. Includes PRP tubes (20 nos) and ACD-A anticoagulant solution.



PRF Kit & Biotin PRP

Platelet-Rich Fibrin kit for sustained growth factor release. Biotin PRP enhances platelet activation for improved clinical outcomes.



SVF / Acellular Micrograft Kit

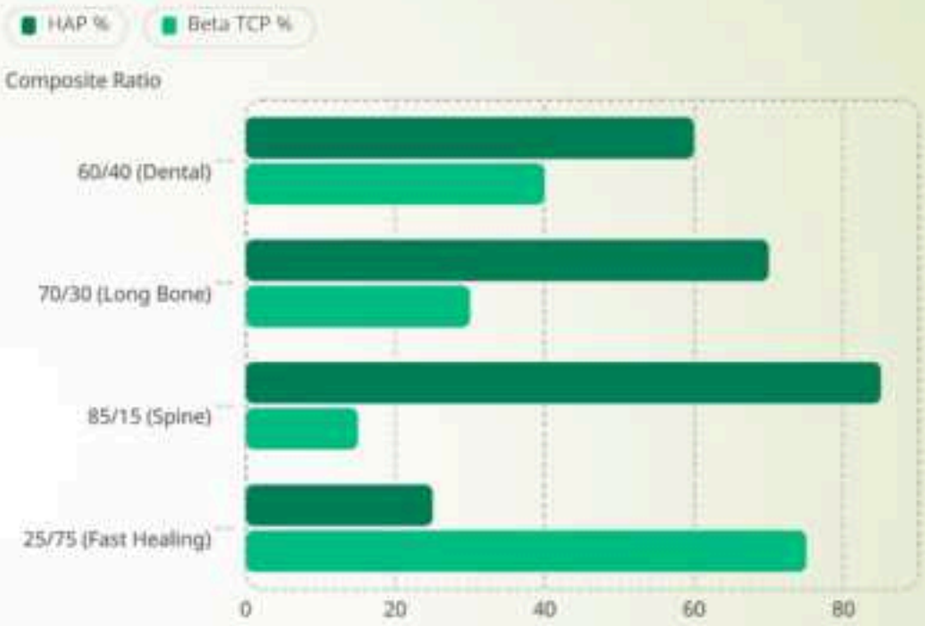
Isolates stromal vascular fraction from adipose tissue for soft tissue and cartilage regeneration.

Commercially Available Biologics Product

HAP / Beta TCP Composite Ratios

Tailored Resorption Profiles

Meril offers HAP/Beta TCP composites in four ratios, each engineered for specific clinical scenarios based on desired resorption rate and mechanical strength.



60/40 — Dental

Balanced resorption for alveolar ridge preservation. Volumes: 1 cc, 5 cc, 10 cc.

70/30 — Long Bone

Enhanced structural support for diaphyseal defects. Volumes: 1 cc, 5 cc, 10 cc.

85/15 — Spine

High HAP content for load-bearing spinal fusion. Volumes: 5 cc to 20 cc.

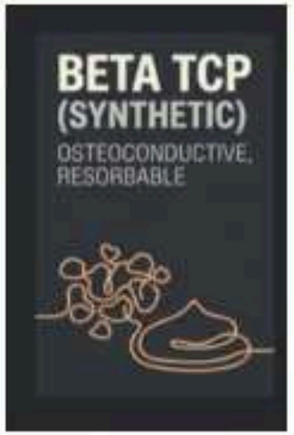
25/75 — Fast Healing

Rapid Beta TCP resorption for small cracks and fast-healing indications. Volumes: 0.5 cc to 2 cc.

Commercially Available Biologics Product

Bone Graft Substitutes: Beta TCP

Beta-tricalcium phosphate and demineralized bone matrix products offer osteoconductive and osteoinductive properties across a wide range of orthopaedic and dental applications.



Beta TCP Powder & Granules

- Powder: 0.5 cc to 10 cc (0.1–0.5 mm particle size)
- Granules: 2–4 mm & 4–7 mm in 5 cc to 30 cc volumes
- Putty formulations with hydrogel injection (1 cc, 5 cc, 10 cc)
- Beta TCP + PDGF and TTCP + Beta TCP combinations



Meril Centrifuge Systems

- **M01** — Compact benchtop centrifuge for PRP and cell concentration protocols
- **M02** — High-capacity centrifuge for BMAC and SVF processing



Awaiting DCGI Approval

Autologous Cell Therapy Systems

Complete Point-of-Care Solutions

Meril's autologous cell therapy portfolio enables clinicians to harvest, process, and reimplant a patient's own cells in a single procedure — minimizing rejection risk and maximizing regenerative potential.







Exosome Isolation Kit

solates exosomes from plasma for advanced cell-free regenerative therapies with potent signaling and immunomodulatory properties.

BMAC System

Bone Marrow Aspirate Concentrate — concentrates mesenchymal stem cells and progenitor cells for orthopaedic repair.

Autologous Fat Grafting

Harvest cannula, lipo filter, fat injector cannula (multiple sizes) for volume restoration and reconstruction.

Awaiting DCGI Approval

Hydroxyapatite & Composite Bone Grafts

Hydroxyapatite-based products replicate the mineral phase of natural bone, providing long-term structural support and osteoconduction in demanding reconstructive procedures.



HAP Granules & Blocks

Granules 0.5–2 cc (0.2–0.5 mm). HAP+Collagen blocks in 5×5×5 mm, 5×5×10 mm, and 5×10×10 mm configurations.



HAP + Collagen Composites

Volumes of 1 cc, 5 cc, and 10 cc (0.5–1 mm particle size). Combines osteoconductive HAP with collagen for improved handling and integration.



Mineralized Collagen

Artificial bone powder, bulk mineralized collagen, and guided bone regeneration membranes for socket filling and defect repair.



Advanced Composites

PMMA-modified bone powder, PMMA+HAP Trauma, CEM+HAP with BMP2, bone glue, and calcium sulfate void fillers with antibiotic options.

Awaiting DCGI Approval

Allograft, Instrumentation, Equipment & Accessories

DBM Product Range

- DBM Powder, Putty, and Injection formats
- DBM Dense Block and Natural Porous Bone Block
- DBM + BMP2 for enhanced osteoinduction



Support Equipment

- **Plasma Incubator** — Controlled environment for platelet activation
- **Cell Counter** — Accurate cell quantification for SVF and BMAC



Surgical Accessories

- BMAC needle, adipose tissue harvest cannula, lipo filter
- Fat injector cannula (multiple sizes), PRP tube + 1 ml injection (5+5)
- Bone filling granule, cube, strip, cylindrical & rod formats
- Reconstruction rod for femoral head necrosis, artificial periosteum
- Extraction socket filling plug, supplemental mold tray

ⓘ Meril's regenerative medicine portfolio is designed for seamless integration across orthopaedic, dental, maxillofacial, and aesthetic surgical workflows — supporting evidence-based, patient-specific treatment pathways.

Awaiting DCGI Approval

Hyaluronic Acid & Injectable Formulations

Crosslinked and non-crosslinked HA products for viscosupplementation, soft tissue augmentation, and as hydrogel carriers in composite bone graft putties.



HA with Crosslink 20 mg/ml

Volumes: 2 ml, 2.5 ml, 3 ml, 4 ml, 6 ml — high-concentration crosslinked HA for extended residence time.



HA with Crosslink 16 mg/ml

Volumes: 1 ml, 2.5 ml, 3 ml, 6 ml — mid-range concentration for balanced viscosity and flow.



HA 10 mg/ml

Volumes: 1 ml, 2.5 ml, 3 ml, 6 ml — standard concentration for viscosupplementation and joint therapy.



HAP + Beta TCP Putty + Hydrogel

60:40 ratio with 1% collagen hydrogel. Volumes: 1 cc, 2 cc, 5 cc — injectable composite for defect filling.

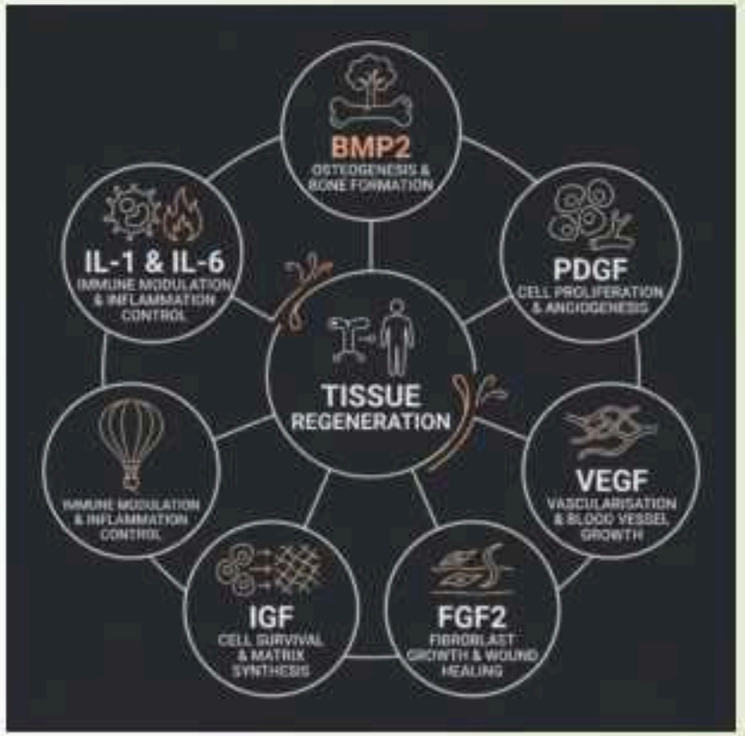


Under R&D

Growth Factors & Bioactive Proteins

Recombinant & Natural Growth Factors

Meril's growth factor portfolio harnesses key signaling proteins to stimulate angiogenesis, osteogenesis, and soft tissue repair at the cellular level.



→ **BMP2 & rhBMP2**

Potent osteoinductive agent. Available as standalone, in DBM combinations, and on absorbable collagen sponge (ACS) implants with or without HAP filler.



→ **PDGF & rhPDGF Gels**

Stimulates cell proliferation and angiogenesis. Available alone, with rhVEGF, and with gentamicin for infected wound environments.



→ **VEGF, FGF2, IGF, IL-1, IL-6**

Supports vascularization, fibroblast growth, and immune modulation for comprehensive tissue regeneration.



Under Validation

Collagen Matrices, Membranes & GBR

Collagen-based scaffolds and barrier membranes provide the structural framework for guided tissue regeneration, wound healing, and graft containment.



Collagen Scaffolds & Spønges

A-Collagen scaffold, collagen matrix, soft sponge, and standard sponge formats. Also available with HPMC + exosome and 1% hydrogel for advanced delivery.



GBR & GTR Membranes

Artificial periosteum, GBR membrane, GTR membrane, and bone fusion membrane for barrier function in guided bone and tissue regeneration.



Advanced Collagen Products

Bi-layer collagen dermal regeneration template with antibiotic, collagen with gentamicin and silicone membrane, hydrogel, and CMC gel (Na CMC + NaCl + Glycerol).


Young Lea
YOUNG LEADER
CERTIFICATE
OF RECOGNITION
Dr. Parvinder Kaur
In recognition of your outstanding contribution as a Young Leader at Meril.
Your innovation, dedication, and forward-thinking approach embody the spirit of new-age healthcare and inspire those around you.
We applaud your role in driving Meril's mission toward a healthier and brighter future.
BIOSTT
Thank you