

**Corporate Partners:**

Integrating our basement membrane technology into your portfolio represents a shared commitment to transforming patient outcomes through meticulously engineered solutions for a wide array of clinical needs.

Every partnership is a testament to our vision of advancing surgical tissue reconstruction and critical care management, with a steadfast assurance of product integrity and efficacy.


Our collaborations with leading medical manufacturers and distributors infuse your offerings with our innovative basement membrane solutions, enhancing patient care globally.



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**Global Leader of  
Surgical Tissue  
Reconstruction and  
Critical Care  
Management**



# Company History

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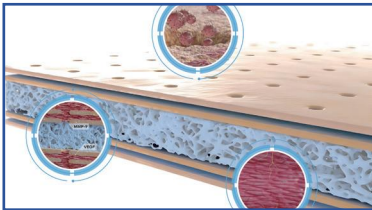
We deliver innovative excellence for surgeons to regenerate patients' life.  
15 years ago, I was challenged by a surgeon that there was no real long-term solution for treating tissue defects. Many patients suffering from recurrence or no effective clinical solutions for biodegraded tissue restoration postoperatively. In these years, we continued to develop our technology encouraged by our friends and partners from clinic and scientific works. We learned to understand deeper of biology and respect of it. Subsequent iteration of our technology was never been paused. Now, our technology is being able to help millions of people recovering from diseases, and we are still on the way of understanding unknown, and providing new solutions for the same question.

We deliver innovative excellence for surgeons to regenerate patients' life.  
We only bring product excellence.

– Dr. Yanyan Wang ,  
Founder of ZR MedTech



ZR MedTech was established.  
Basement membrane Technology (ExceBM™) was born in the laboratory.



ExceReg™ Biological Surgical Graft launched a multi-center clinical RCT.  
ExceReg™ Biological Surgical Graft listed of the “Innovation Approval Procedure for Medical Devices” by NMPA.



Construction of large scale production line had been completed.  
Soft tissue graft (Oral) launched a multi-center clinical RCT.



ExceFil™ Dual (Spinal) Graft certification approved by NMPA  
ExceReg™ Biological surgical graft 2<sup>nd</sup>-Gen multi-center clinical RCT launched.  
Pelvic Graft listed of the “Innovation Approval Procedure for Medical Devices” by NMPA



ZR MedTech Regenerative Medicine Research Center was constructed.  
Construction of Small scale production line had been completed.



ExceFil™ Dural (Spinal) Graft launched a multi-center clinical RCT.



ExceReg™ Biological Surgical Graft certification was approved by NMPA.  
Pelvic Graft multi-center clinical RCT launched.



ZR MedTech R&D (Shanghai) successfully constructed.  
Staple line reinforcement and wound dressing multi-center clinical RCT launched.  
Incisional/Ventral hernia graft multi-center clinical RCT launched.  
Construction of new product line started off.  
2 products were submitted to FDA registration



# About ZR MedTech

## Company

ZR MedTech established in 2015, is a global medical device manufacture and solution provider for tissue regeneration based on basement membrane technology platform (ExceBM).

## Mission

Regenerate hope for every patient.

## Vision

Global leader of surgical tissue reconstruction and critical care management.

## Value

Extraordinary is the new ordinary.

5

PCT Patents



2

NMPA Class III  
Medical Device  
Registration Certificate



2

"Innovation Approval  
Procedure for Medical  
Devices" by NMPA



# Intelligent Manufacturing

5500m<sup>2</sup>

Taicang  
Intelligent  
Manufacturing Line

2200+m<sup>2</sup>

Shanghai  
R&D Center

600+m<sup>2</sup>

GMP  
Manufacturing Line

100,000pics

Production Per Year



ISO13485 Certification



MDSAP Certification



# About Basement Membrane

- Self-repair

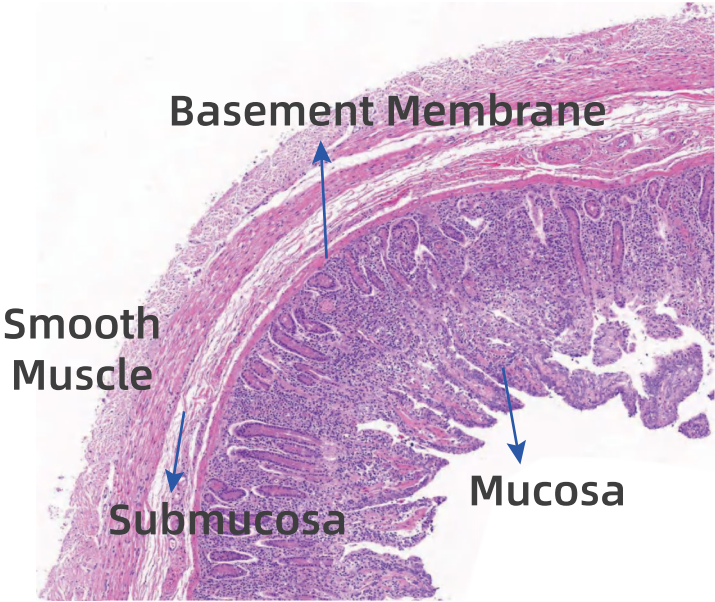
The basement membrane is the extracellular matrix structure of the organism that supports rapid cellular metabolism and self-repair.

- Highly homologous

The basement membranes are highly consistent in structure and composition across species, individuals and organs.

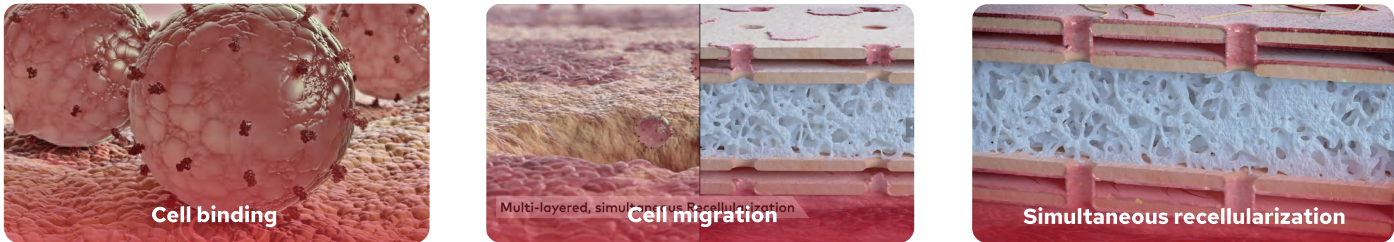
- Biological activity

The basement membrane is rich in biologically active components, inducing rapid proliferation and differentiation of the implanted area and orderly tissue regeneration.

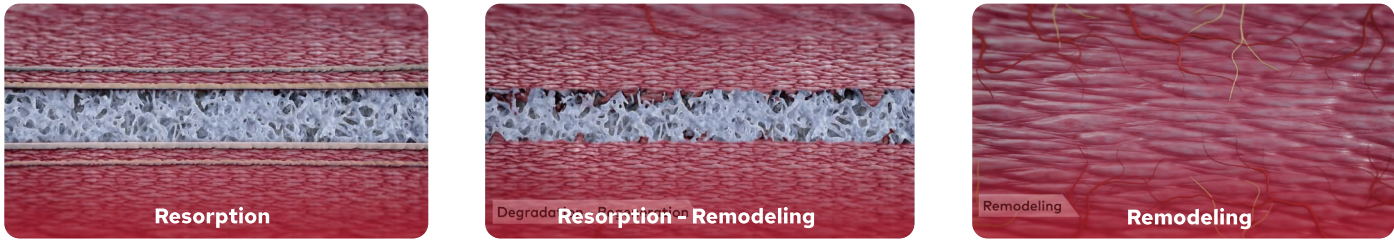


## ExceBM™ Technology

Functional regeneration through "isolated microenvironment"



This innovative distinctive multi-layer pattern provides an “isolated microenvironment” for rapid cellular growth before the graft resorption begin.



Entire regeneration process is protected and accomplished gradually in created steady-going isolated microenvironment to ensure an outstanding functional regeneration.

## Literatures

• Outcome of a novel porcine-derived UBM/SIS composite biological mesh in a rabbit vaginal defect model. Int Urogynecol J. 2023; 34 (7), 1501–1511.

• Comparison of outcomes of ventral hernia repair using different meshes: a systematic review and network meta-analysis. Hernia. 2022; 26 (6), 1561–1571.

• Urinary bladder matrix scaffolds improve endometrial regeneration in rat models of intrauterine adhesions. Biomaterials Science, 2020, 8, 988–996.

• Perfusion-decellularized skeletal muscle as a three-dimensional scaffold with a vascular network template. Biomaterials, 2016, 89, 114–126.

• The biomechanical behavior and host response to porcine-derived small intestine submucosa, pericardium and dermal matrix acellular grafts in a rat abdominal defect model. Biomaterials. 2011; 32 (29),7086–7095.

• Improving the antibacterial property of porcine small intestinal submucosa by nano-silver supplementation: a promising biological material to address needs for contaminated defect repair. Annals of Surgery, 2011, 253 (5), 1033–1041.

# Product

## ExceReg™ Biological Surgical Graft

A novel biological surgical graft for inguinal hernia、abdominal hernia、hiatus hernia、parastomal hernia、rectal prolapse and pelvic surgical isolation

- Low recurrence, functional regeneration
- Low recurrent rate, low seroma rate
- Easy to spread, high resilience, high transparency



## ExceFil™ Dural (Spinal) Graft

A novel biodegradable graft designed for dura mater (spinal) repair, this graft facilitates precise, allowing for in-situ regeneration and complete absorption.

- High safety, high stability, high biocompatibility
- In situ regeneration, synchronous absorption
- Excellent fluid barrier function
- Robust flexibility



## ExceFil™ Wound Dressing

The products serve to protect damaged tissues, guide tissue regeneration, and promote wound healing.

- Natural and biocpatible scaffold
- Advanced healing support
- Clinical diversity



## Pelvic Graft

Designed for pelvic floor reconstruction surgery for women with pelvic floor dysfunction due to pelvic floor defects or weak and lax supporting tissues.

- Tailored for female pelvic floor reconstruction surgery
- Reliable mechanical strength throughout all post-implant stages
- Prevents mesh exposure, erosion, and late infection

