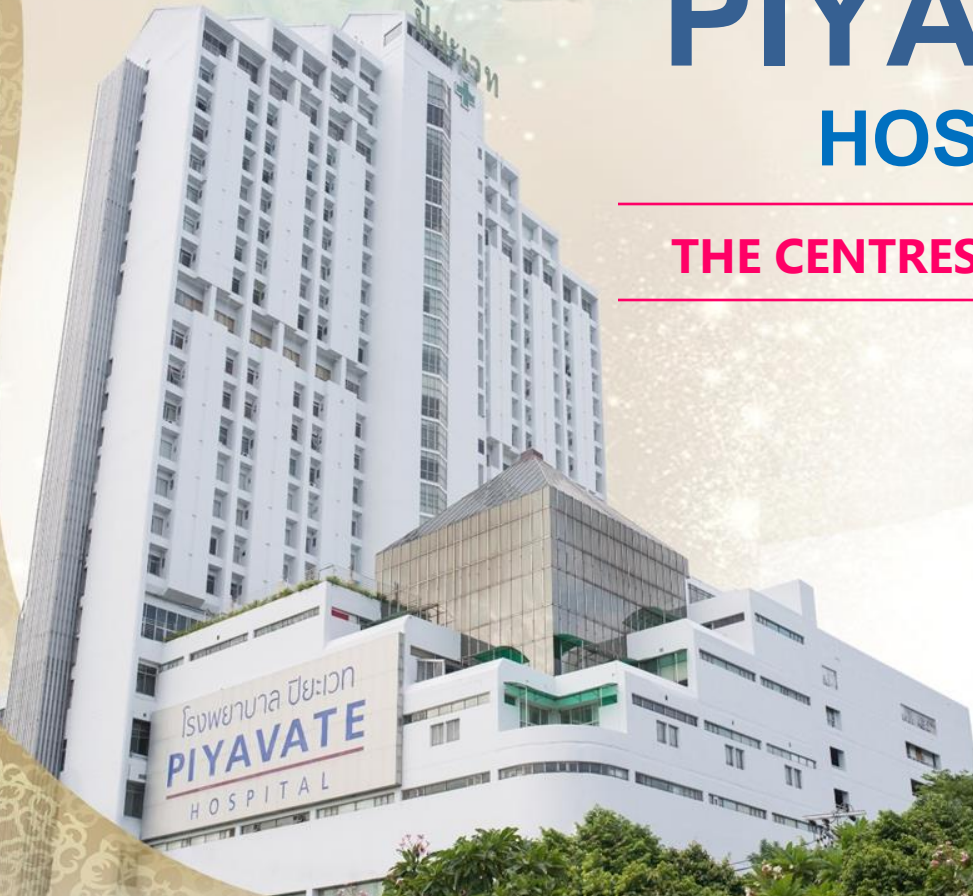


# PIYAVATE HOSPITAL

**THE CENTRES OF EXCELLENCE**



# 7 BANGPAKOK HOSPITAL GROUPS (BPK)

Since 1996 (24 Year)  
Patient 100 bed



BPK บางปะกอก 3  
BANGPAKOK HOSPITAL



Since 1994 (26 Year)  
Patient 120 bed

BPK บางปะกอก 1  
BANGPAKOK HOSPITAL



Since 2016 (4 Year)  
Patient 59 bed

BPK บางปะกอก-สมุทรปราการ  
Bangpakok-Samutprakan Hospital



BPK บางปะกอก 8  
BANGPAKOK HOSPITAL



Associate Professor Pittaya Chandrakamol

Chareong Chandrakamol MD



BPK บางปะกอก-รังสิต 2  
BANGPAKOK HOSPITAL

Since 2003 (17 Year)  
Patient 120 bed



BPK BANGPAKOK INTERNATIONAL HOSPITAL

Since 2016 (4 Year)  
Patient 200 bed

Operate by BPK Jan 04, 2016



โรงพยาบาลปิยะเวท  
PIYAVATE HOSPITAL

Since 2003 (27 Year)  
Patient 400 bed

Operate by BPK Jan 04, 2016

Since 2003 (17 Year)  
Patient 300 bed

HA 

BANGPAKOK 1 HOSPITAL

BANGPAKOK 2 HOSPITAL

BANGPAKOK 8 HOSPITAL

BANGPAKOK-RANGSIT 2 HOSPITAL

BANGPAKOK-SAMUTPRAKAN HOSPITAL

JCI & HA  

BANGPAKOK9 INTERNATIONAL HOSPITAL

PIYAVATE HOSPITAL

# STANDARD QUALITY



## Joint Commission International (JCI)

Piyavate Hospital is Accredited  
By the joint commission international(JCI)  
Gold seal of Approval from USA



## Hospital Accreditation (HA)

Piyavate Hospital is Accredited  
By the healthcare accreditation institute (Public  
Organization) Thailand



# HOSPITAL OVERVIEW

## Piyavate Hospital

- Established in 1993
- 26-story building
- Area of 51,896 sq.m.
- 150 admission beds
- 250 physicians
- 300 medical staffs

## Ideal Imaging Center

- 7-story building
  - CT, MRI , X-Ray
  - Check-Up
  - Laboratory
- Area of 4,748 sq.m.

## TRIA Building

MEDICAL WELLNESS CENTER

Office Fl.7

Office Fl.6

Office Fl.5

Laboratory Fl.4

Check up Center Fl.3

X-ray Fl.2

CT MRI Fl.1

โรงพยาบาลปิยะเวท  
PIYAVATE  
HOSPITAL

TRIA  
MEDICAL WELLNESS CENTER

# CORE PRINCIPLES



EXCELLENCE

QUALITY



REASONABLE PRICE

WE CARE FOR YOU, LIKE FAMILY

# MEDICAL HIGHLIGHT

## SERVICES



HEART CENTER

DIABETIC FOOT CENTER

GASTROINTESTINAL CENTER

SURGERY CENTER

REHABILITATION CENTER

ORTHOPEDIC CENTER

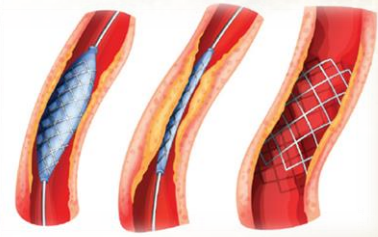
FERTILITY CENTER (IVF)

EYE & LASIK CENTER

CHECK UP CENTER

# HEART CENTER

- ❖ Dedicate to delivering outstanding, comprehensive heart and vascular care.
- ❖ Offer a complete range of services for patients suffering from heart conditions.
- ❖ Provide personalized heart care focused on the needs of the patient using advanced medical technology and specialty care facilities.





# **Cardiovascular & Structural Heart Intervention**

## ***Piyavate Heart Center***



## Diagnostic Procedures

- Coronary angiography (CAG)
- Right and left heart catheterization
- Carotid angiography
- Renal angiography
- Peripheral artery angiography (legs/arms)

## Coronary Intervention

- Percutaneous coronary intervention (balloon/stent)
- Rotational atherectomy for heavily calcified lesion
- Intravascular imaging (Intravascular ultrasonography/Optical coherent tomography (OCT))

## Valvular Intervention

- **Transcatheter aortic valve replacement/intervention (TAVR/TAVI)**
- Percutaneous transvenous mitral commissurotomy (PTMC)

## Structural Intervention

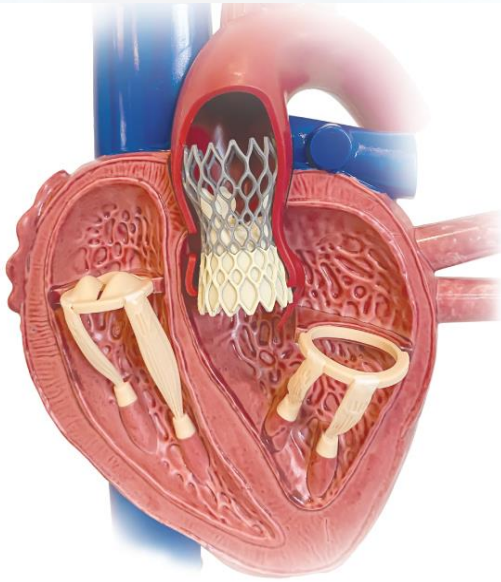
- Percutaneous ASD (atrial septal defect) device closure
- Percutaneous PFO (patent foramen ovale) device closure
- Percutaneous PDA (patent ductus arteriosus) closure

## Other Intervention

- Inferior vena cava filter placement

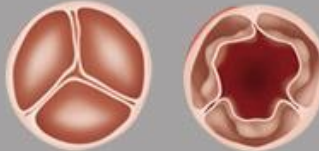
# TAVI

## Transcatheter Aortic Valve Implantation



**Aortic valve replacement:**  
Catheter-based procedure  
may supplant surgery

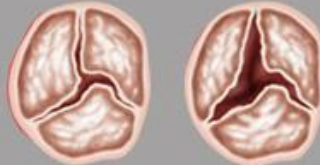
### Healthy valve



Closed

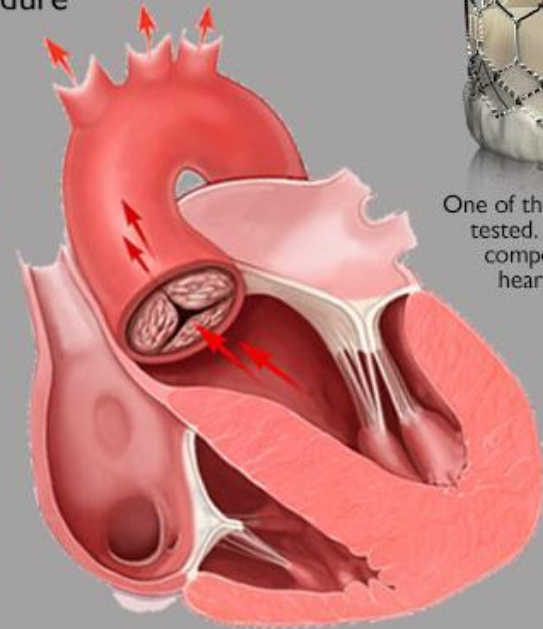
Open

### Diseased valve



Closed

Open

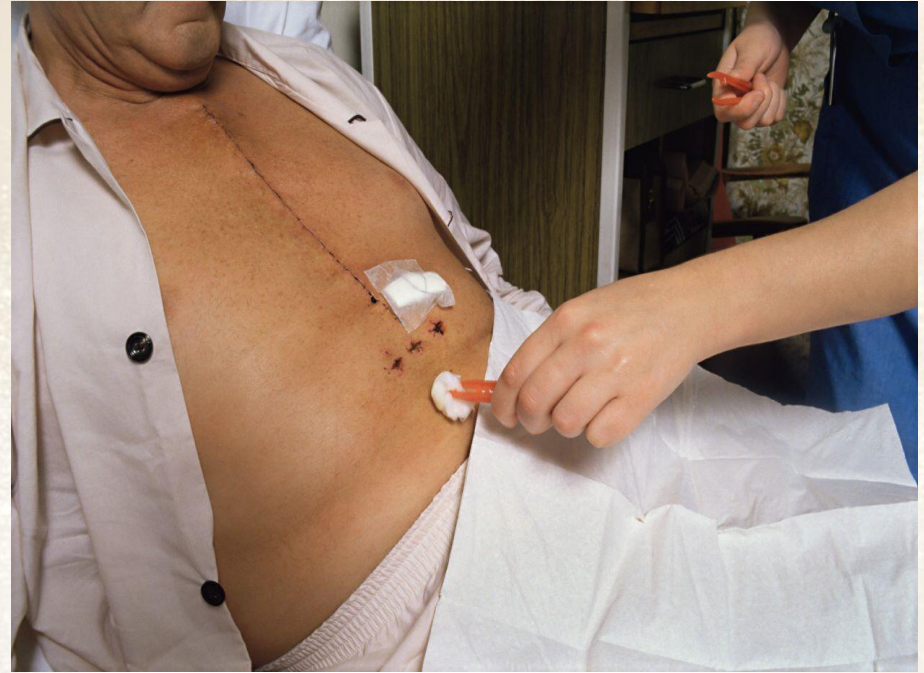
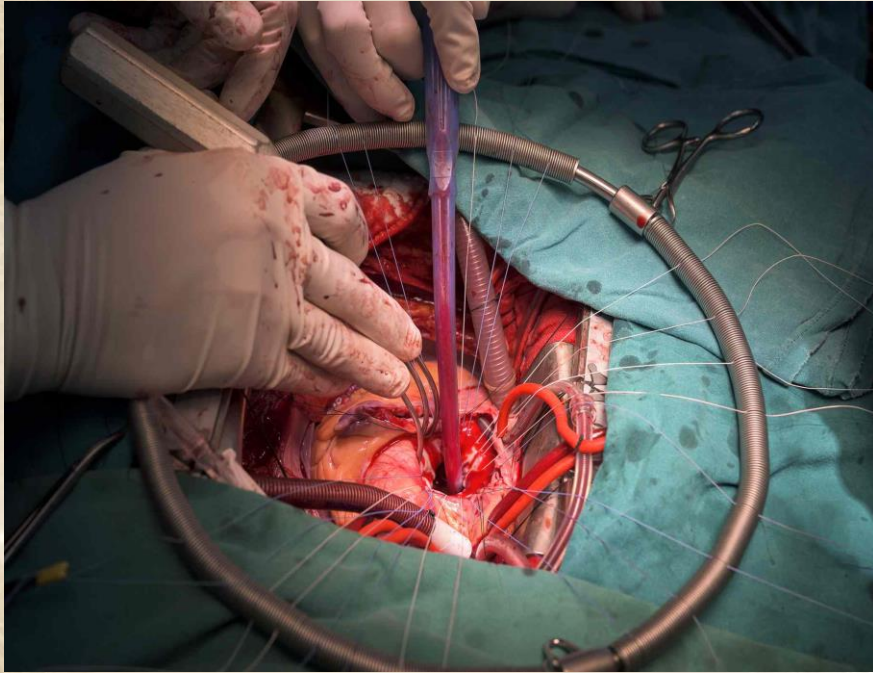


One of the valves being tested. Its leaflets are composed of bovine heart tissue.

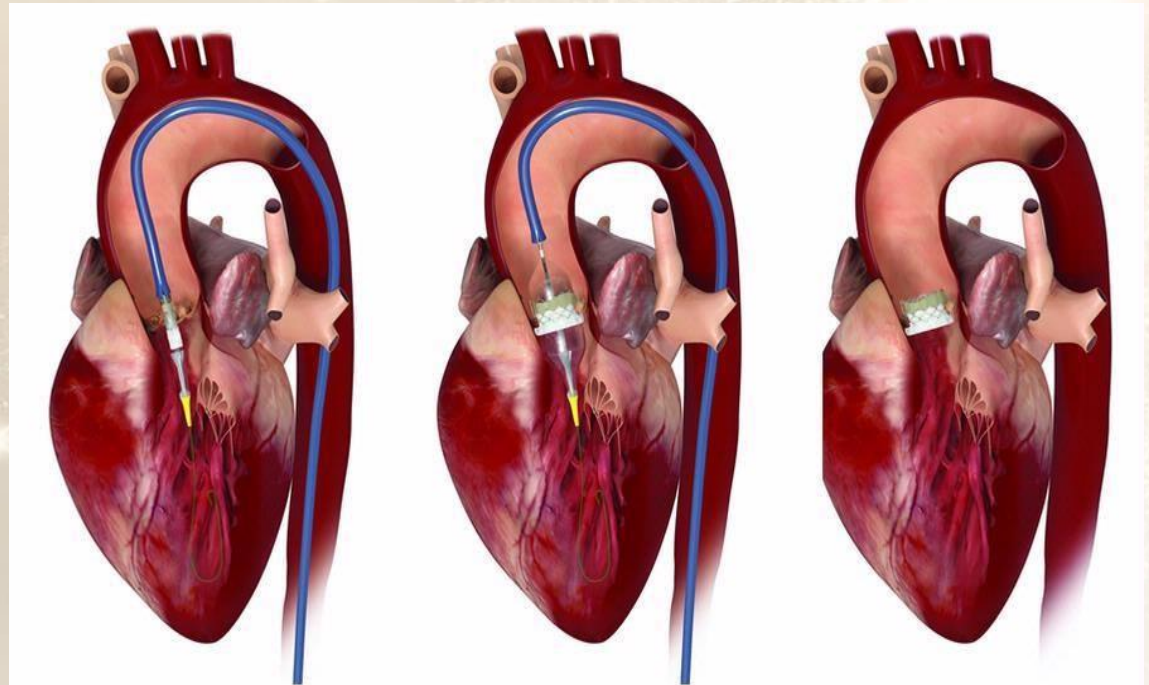
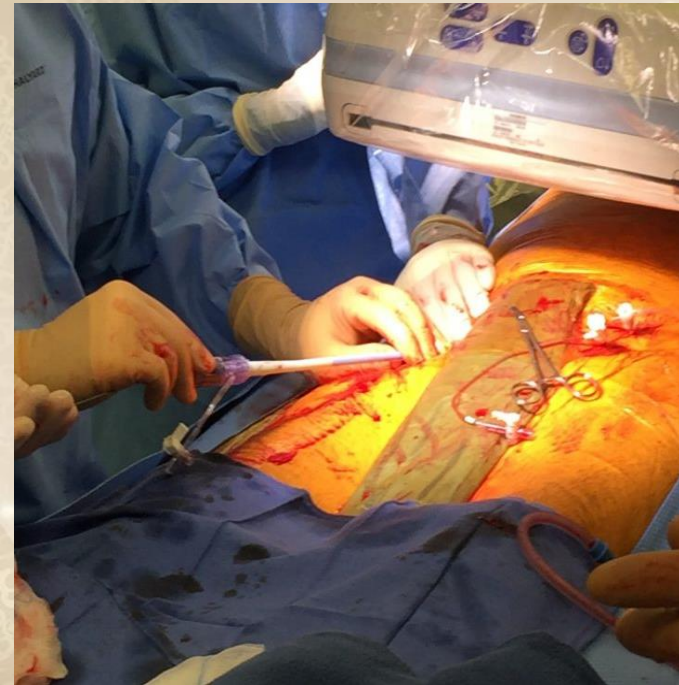
## Advantages of TAVI

- Less blood loss
- Faster recovery time – only 2-3 days hospital stay
- Smaller incision
- Reduced complications of general anesthesia as the procedure can be done under local anesthesia
- Only 2 hours surgical time

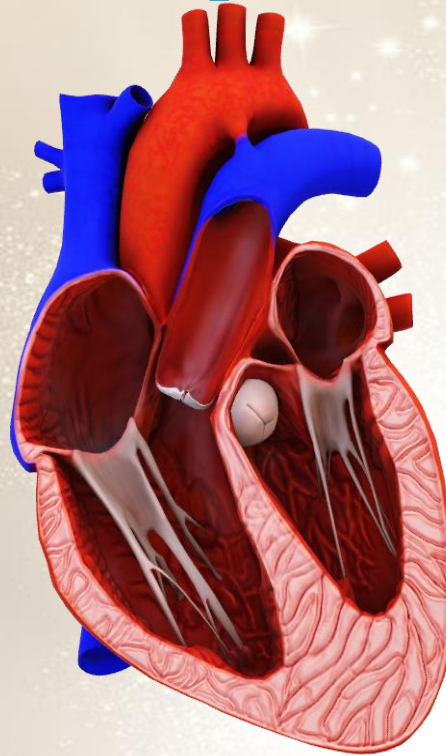
# Surgical AVR



# Transcatheter AVR (TAVR/TAVI)



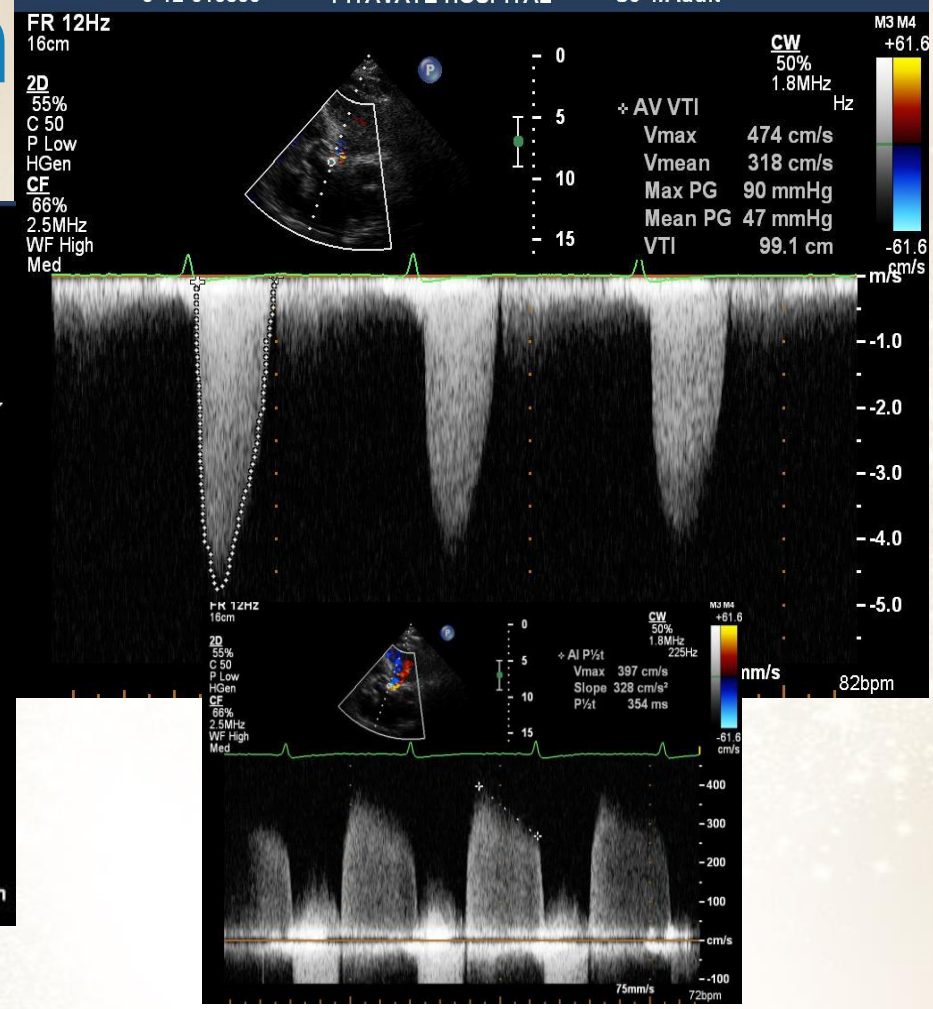
# TAVR cases at Piyavate Hospital



# Case 1

- 84 years old man with CKD stage 4-5 (not RRT), allergic rhinitis, HTN, DLP, BPH, gout, CAD
- Progressive severe AS
- NYHA functional class II

# Echocardiogram



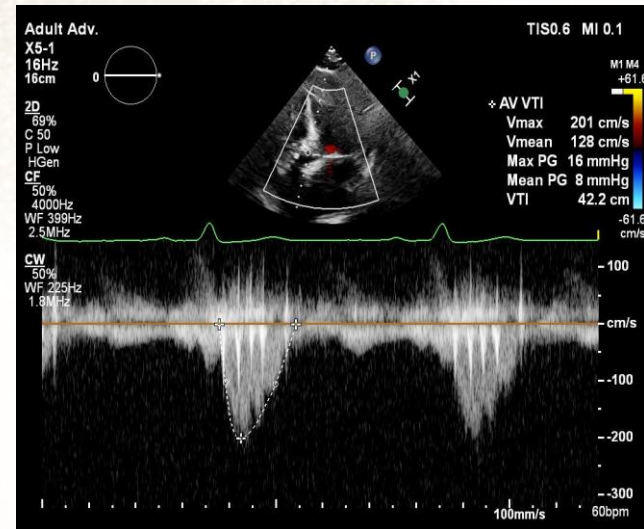






# Post-TAVR

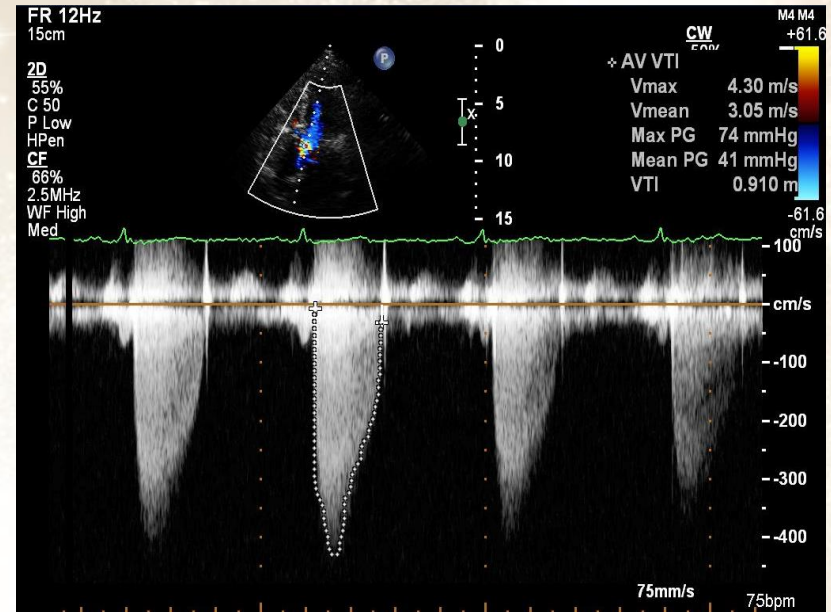
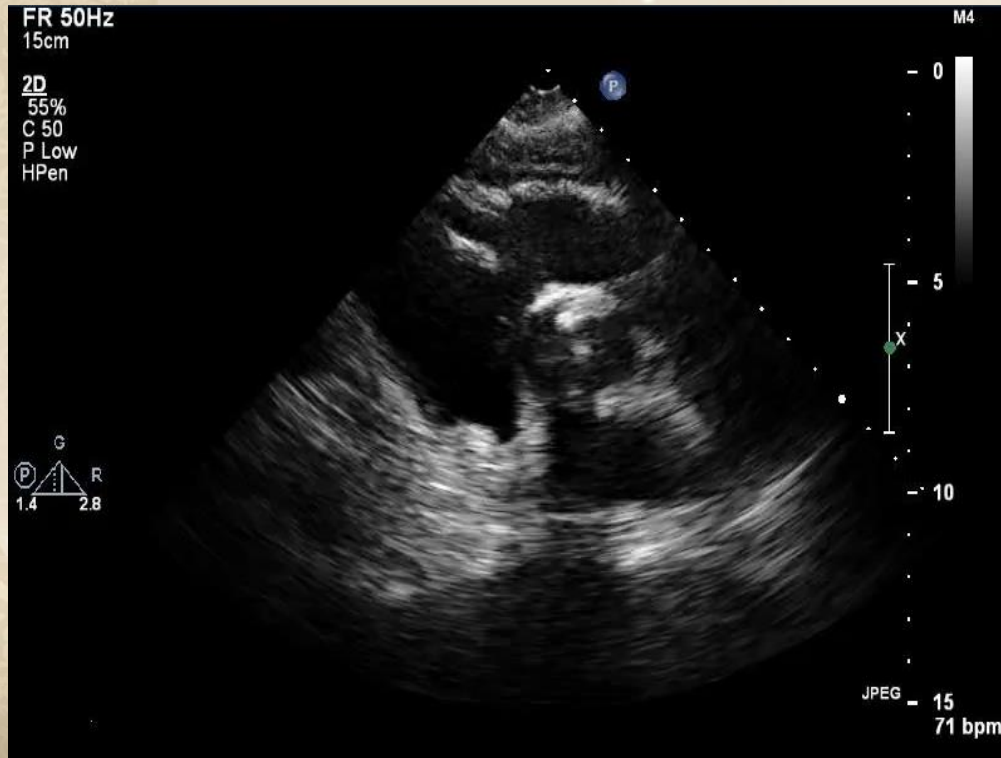
- Ambulate next day
- No heart block
- No vascular complication

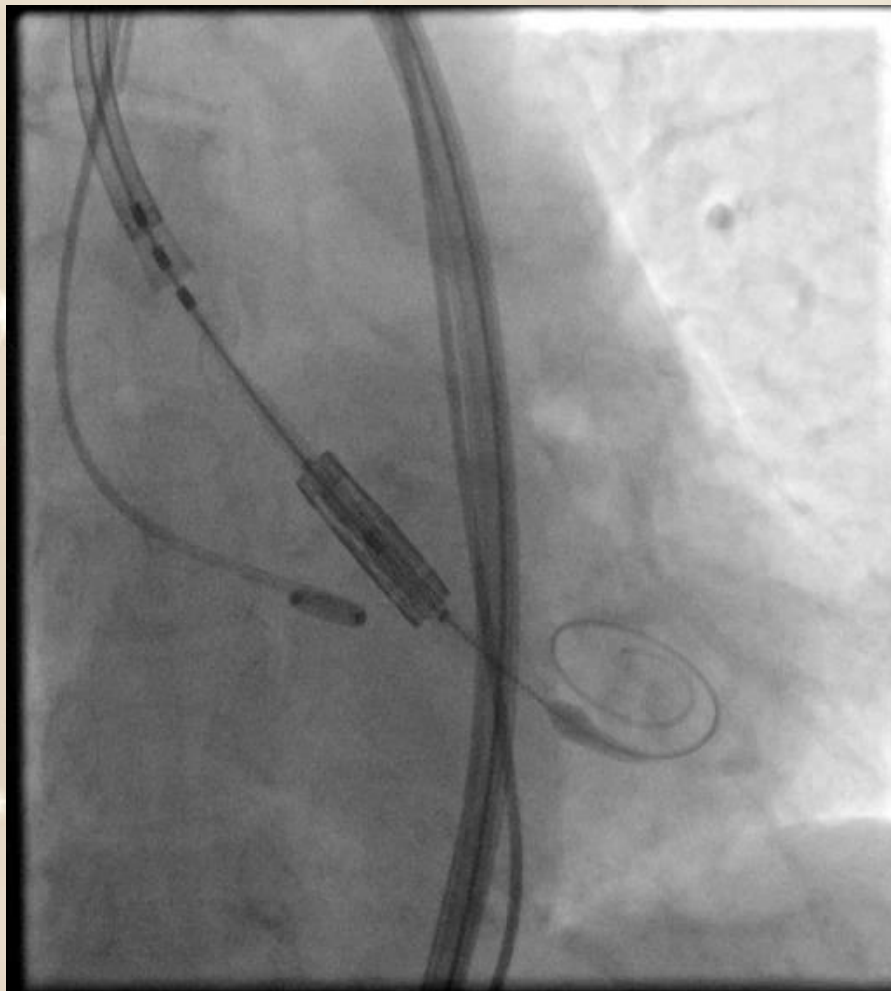


# Case 2

- 74 years old woman with rheumatoid arthritis
- Presented with traumatic closed subtrochanteric fracture of right femur
- Pre-operative evaluation found cardiac murmur
- Echocardiogram showed bicuspid aortic valve with severe AS

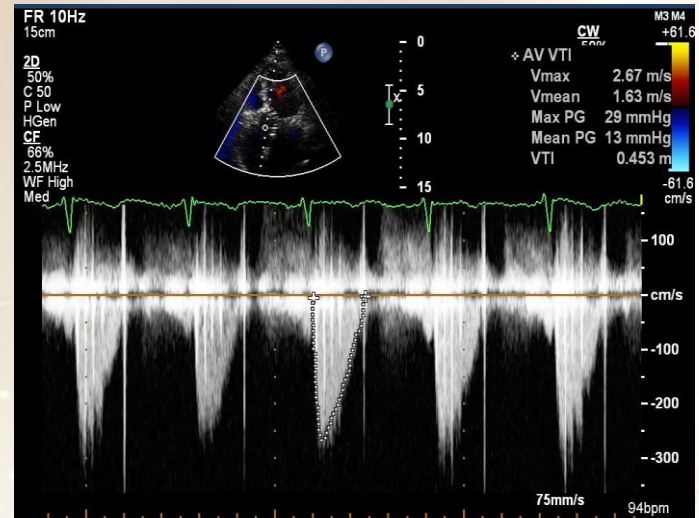
# Echocardiogram





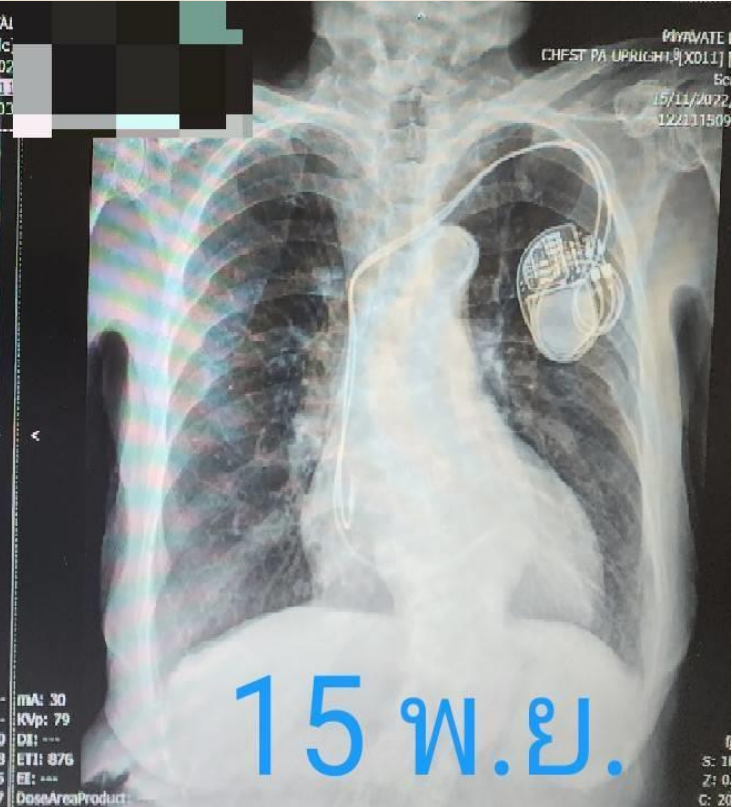
# Post-TAVR

- Hip surgery had been safely performed 1 week later



# Case 3

- 94 years old woman with very severe aortic stenosis and aortic regurgitation, mitral regurgitation, tricuspid regurgitation, hypertension, chronic kidney disease, SSS s/p PPM
- Decompensated heart failure
- Echocardiogram: very severe AS
- TAVR was advised





# DIABETIC FOOT CENTER

## Comprehensive Multidisciplinary Approach

- Certified Wound Specialist
- **Vascular Surgeon**
- Interventional Cardiologist
- Plastic-Reconstructive Surgeon
- **Foot and Ankle Specialists**
- Endocrinologist
- Nephrologist
- Dietitian/Nutritionist
- Rehabilitation team



Techniques used: NPWT, Skin Grafting, and Silicone Foot Prosthesis

# Hyperbaric Medicine Center



Hyperbaric Oxygen Therapy (HBOT) is a medical treatment which enhances the body's natural healing process by inhalation of 100% oxygen in a total body chamber, where atmospheric pressure is increased and controlled.

## TREATMENT INDICATIONS

- ▶ Air or gas embolism
- ▶ Carbon monoxide poisoning and carbon monoxide poisoning complicated by cyanide poisoning
- ▶ Clostridial myositis and myonecrosis
- ▶ Crush injury, compartment syndrome, and other acute traumatic ischemias
- ▶ Decompression sickness
- ▶ Enhanced healing of selected problem wounds
- ▶ Exceptional blood loss anemia
- ▶ Necrotizing soft tissue infections
- ▶ Osteomyelitis
- ▶ Delayed radiation injury
- ▶ Skin grafts and flaps
- ▶ Thermal burns
- ▶ Intracranial abscess



# DM FOOT CASES

# CASE #1

A 53 -years -old male diagnosis with Chronic deep infected gangrenous wound at right foot with osteomyelitis with displaced fracture of right calcaneus



## CASE # 2

A 71-year-old man diagnosed with wet gangrenous wound with osteomyelitis of left 5<sup>th</sup> toe. Underlying DM with multiple diabetic complications.



# CASE # 3

A 55-year-old man, diagnosed with infected wound at right foot with severe chronic osteomyelitis. Underlying diseases such as charcot foot both feet, critical threaten limb ischemia of left leg, DM type 2, HTN, DLP, diabetic neuropathy, and lumbar spondylosis.



# CASE # 4

A 79-year-old man, diagnosed with chronic wound at right foot. Underlying DM, HT, DLP, and PAD.



23

# CASE #5

A 71-year-old woman. diagnosed with infected gangrenous right foot.





# CASE #6

A 79-year-old woman, diagnosed with gangrene wound at left foot 1<sup>st</sup> and 2<sup>nd</sup> toe.



# CASE# 7

A 58-year-old male with wound at right foot with discoloration for 1 month after accidental injury from hitting furniture. The wound was progress to 2<sup>nd</sup> -5<sup>th</sup> toes with osteomyelitis.



# CHARCOT FOOT

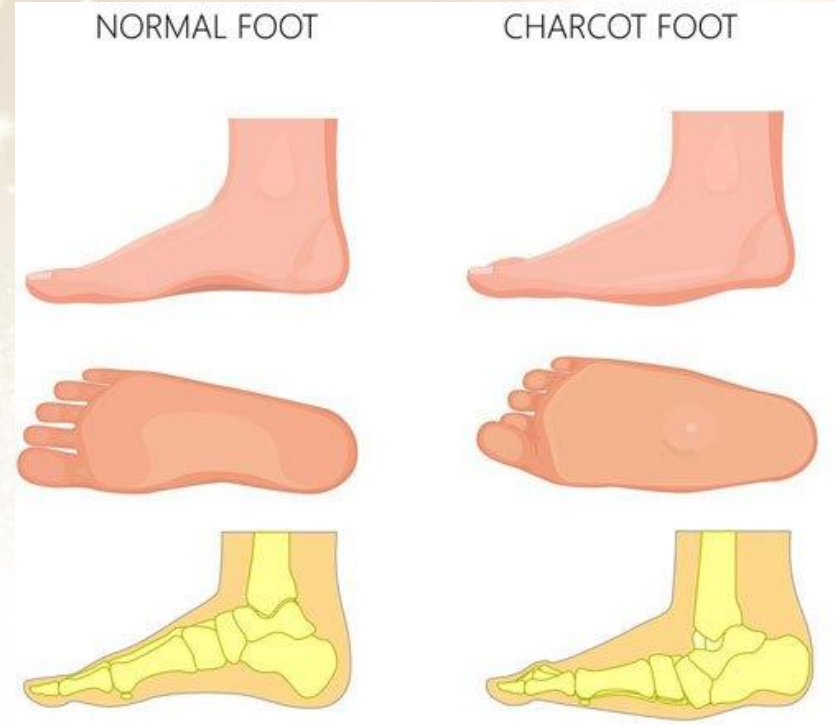
Charcot foot is a rare but serious complication that can affect persons with peripheral neuropathy , especially those with diabetes mellitus.

Charcot affects the bones, joints, and soft tissues of the foot or ankle. The bones become weak and can break and the joints in the foot or ankle can dislocate.

If not caught in its earliest stage, the joints in the foot collapse and the foot eventually becomes deformed.

A deformed foot can cause pressure sores to develop in the foot or ankle.

An open wound with foot deformity can lead to an infection and even amputation.



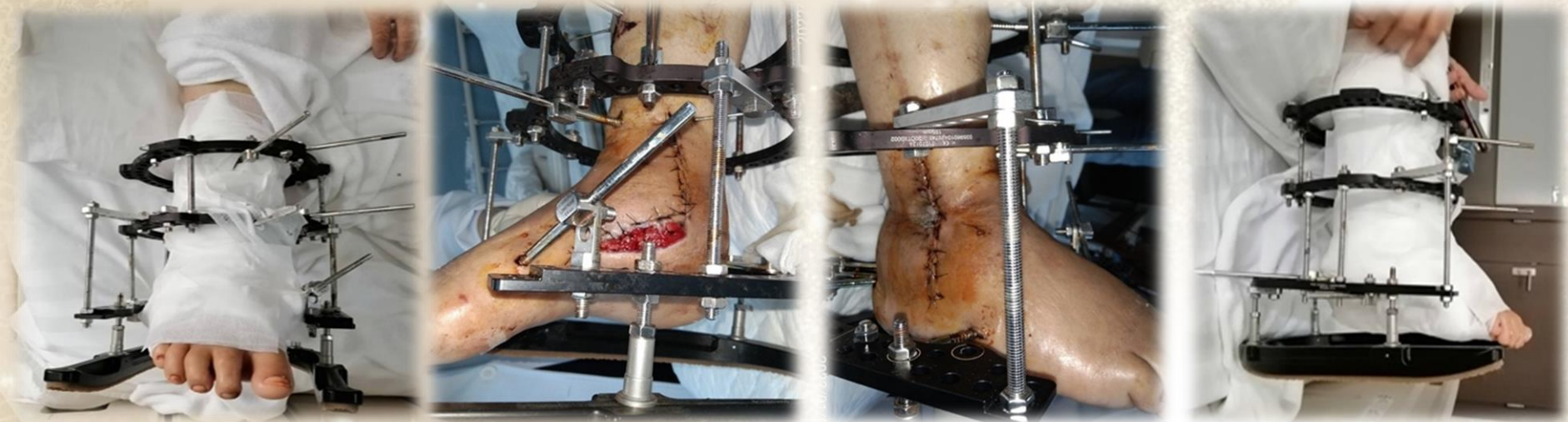
# CHARCOT FOOT CASE

A 74-year-old woman diagnosed with charcot arthropathy with deformity and instability of right ankle.



## Treatment :

- Pantalar fusion of the right ankle with Ilizarov fixation
- Dressing wound
- Rehabilitation



The Ilizarov was removed and short leg cast was applied.

After that, progressive weight bearing ambulation will be monitored for 1-2 months until the strength of fusion site is adequate for full weight bearing.

Once full weight bearing is achieved, the cast will be removed and customized shoe will be applied.





# SURGERY CENTER

- Provide an accurate diagnosis ,safe and most effective treatment
- Modern medical equipment and facilities
- Team of specialized surgeons expertise and experience in the treatment



## Services

- General Surgery
- Cardiothoracic Surgery)
- Vascular Surgery
- Neurosurgery
- Urological Surgery
- Gastrointestinal Surgery
- Colorectal Surgery
- Surgical Oncology
- ENT
- Pediatric Surgery

# A New Life Of Rungroj



Male, 29 years old, Weighing 250 Kg.  
He is obese due to abnormal hormones.  
Cardiomegaly, Swollen legs. Edima.  
Somdejphaphuttalertla Hospital Untreatable





**Nov. 2016**  
**Before treatment 250 Kg.**



**3 months passed**  
**198 Kg.**



**8 months passed**  
**160 Kg.**



**Present (Dec.2019)**  
**89 Kg.**  
Reduced 161 kg



**2 Bariatric Surgeries**

**2 Brachioplasty & Thigh Lift**

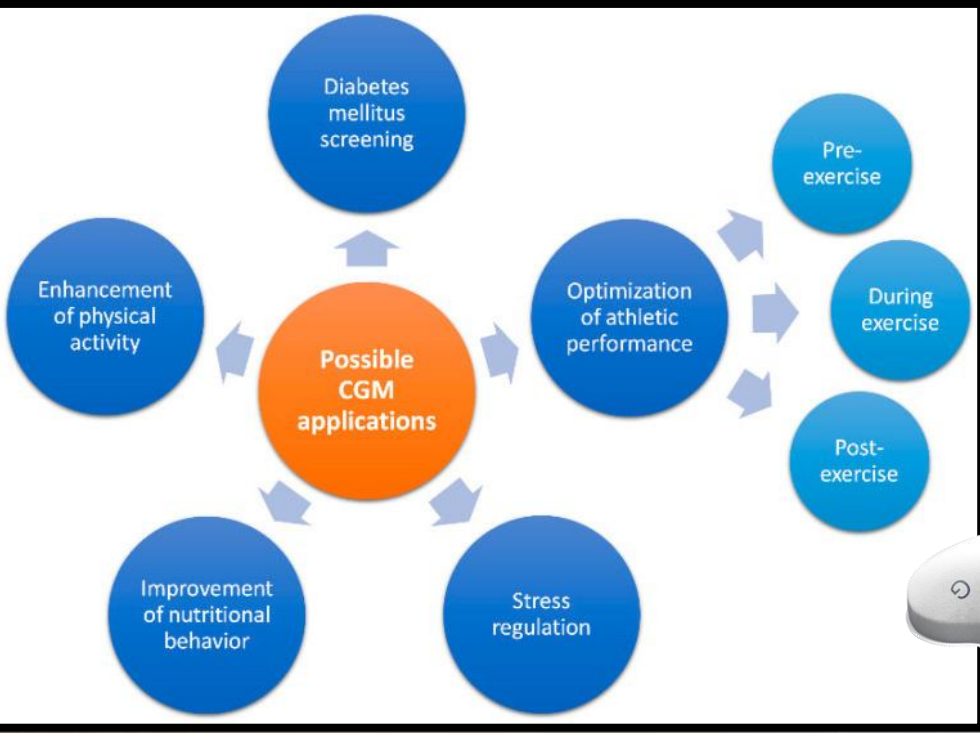


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PIYAVATE HOSPITAL



# DIABETICS MANAGEMENT AND HOLISTIC CARE

## Continuous Glucose Monitoring (CGM)



# ORTHOPEDIC CENTER

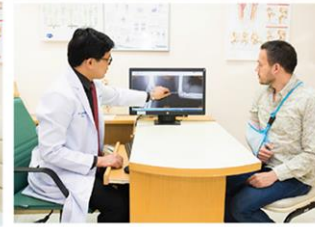
- ❖ Orthopedic Center consists of specialized orthopedic surgeons experience and expertise in the treatment to provide the highest quality care, including diagnostic, therapeutic and surgical care.
- ❖ Our center aims to provide a holistic care experience, with counseling and personalized care from the pre-operative to post-operative process to speed up recovery and help patients achieve the highest quality of life in the fastest time possible.



**SPINAL SURGERY**



**HAND & UPPER  
EXTREMITY SURGERY**



**ARTHROSCOPIC  
SURGERY**

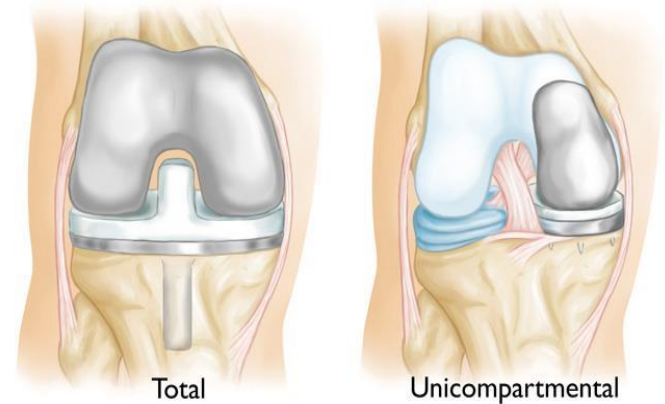


**JOINT REPLACEMENT**

# UKA

# Unicompartmental Knee Arthroplasty

## OSTEOARTHRITIS KNEE



UKA



TKA

Pro's	<ul style="list-style-type: none"> <li>-Less invasive</li> <li>-Preserves cartilage and bone</li> <li>-Normal knee kinematics</li> <li>-Less complications</li> <li>-Quicker rehab</li> <li>-Easier revision-surgery if needed</li> </ul>	<ul style="list-style-type: none"> <li>-Well established procedure</li> <li>-Less specialized procedure</li> <li>-Better Survival rate</li> <li>-No progression in OA</li> </ul>
Con's	<ul style="list-style-type: none"> <li>-Specialized procedure</li> <li>-Higher revision-rate</li> <li>-Progression of OA possible</li> </ul>	<ul style="list-style-type: none"> <li>-More invasive</li> <li>-Slower rehab</li> <li>-More restriction of activity</li> <li>-Higher mortality-rate</li> </ul>

# HAND TRAUMA SURGERY CASE

A 19-year-old woman. Diagnosed with crushed injury with amputated 2<sup>nd</sup> to 5<sup>th</sup> metacarpal bones of right hand.



# PHYSICAL THERAPY AND REHABILITATION CENTER



Physical therapists at Piyavate hospital work with patients to create and carry out the best course of treatment for conditions that limit the ability to work, move, play sports, or perform daily activities.

Our skilled team of therapists helps to prevent further injury, reduce pain, restore function and maximize functional abilities of patient after illness or injury

## Our Specialty Physiotherapist

[Stroke and brain injury rehabilitation](#)

[Neuromuscular rehabilitation](#)

[Back and spine pain rehabilitation](#)

[Spinal cord injury rehabilitation](#)

[Sports rehabilitation](#)

[Amputee rehabilitation](#)

[Rehabilitation for Diabetic foot patient](#)

# ROBOTIC REHABILITATION CENTER

Piyavate Hospital ( Physical therapy and Rehabilitation Center ) as the first place in Thailand that has brought the ultimate robot innovation for walking training

The most advanced technology available today, such as HAL® ( Hybrid Assistive Limb ) is used in the treatment of patient rehabilitation with problems with balance, walking, control of movement and muscle strength, such as *stroke patients ,spinal cord injuries patients traumatic brain injuries patients parkinson 's disease ,multiple sclerosis*



# BPK REHABILITATION CENTER OMAN



**The first & best Thai Medical Rehabilitation Centre in Oman. It is a quality rehabilitation center, has been open for 7 years. Was awarded the best rehabilitation center in Oman in 2016. Office services 7 days a week by medical specialist from Thailand.**







โรงพยาบาลปิยะเวท  
PIYAVATE HOSPITAL

**THANK YOU**  
FOR YOUR ATTENTION