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Vejthani hospital

- International private tertiary care hospital
- Bangkok Thailand
- JCI accredited hospital with CCPC programs e.g., spine surgery, hip replacement
- Innovative healthcare services
- Enhancing patient experiences
- Cooperative utilization management with payers

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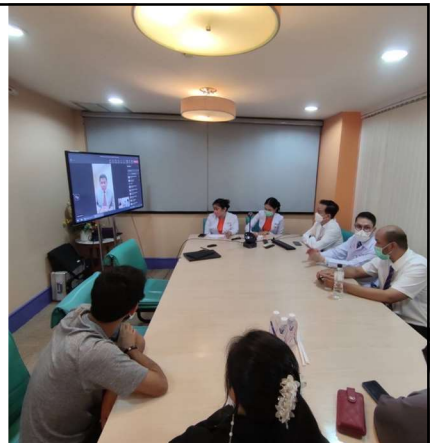
ANCILLARY SERVICES FOR MEDICAL TRAVELERS:

Vejthani international residence

Vejthani international lounge



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Conference focuses on better doctor-patient-family and payer-provider communication




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Centers & Clinics

Hip and Knee Center

1st Floor, King of Bones Building, Vejthani Hospital



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A robotic knee replacement is a computer-assisted surgery where a surgeon uses a robotic arm to precisely remove damaged bone and cartilage from the knee joint and replace it with an artificial implant.

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VEJTHANI
Velthani Hospital

Bilateral Total Knee Replacement

Before surgery

After surgery

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VEJTHANI
Velthani Hospital

Revision TKA

After surgery

Before surgery

LATERAL

47 years old male 7 times of operation

post op 1 months

STANDING

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The PRECICE nail is a magnetic lengthening nail that is used for correction of limb length discrepancies and deformity. Unlike traditional limb lengthening techniques which rely on external fixators, the PRECICE nail is an all-internal technique that provides early return of motion, less scarring, and better patient tolerance.



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Centers & Clinics

Orthopedics Center

Orthopedics Center, 2nd Floor, King of Bones Building, Vejtiani Hospital

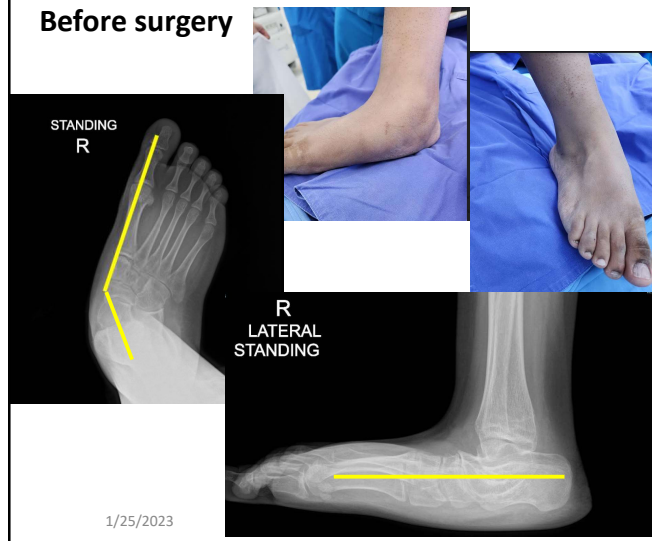
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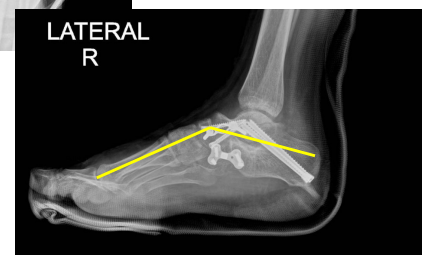
Correction of foot deformity



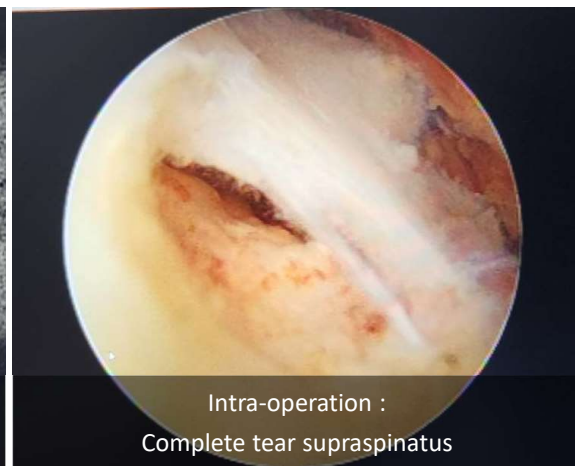
Before surgery



After surgery



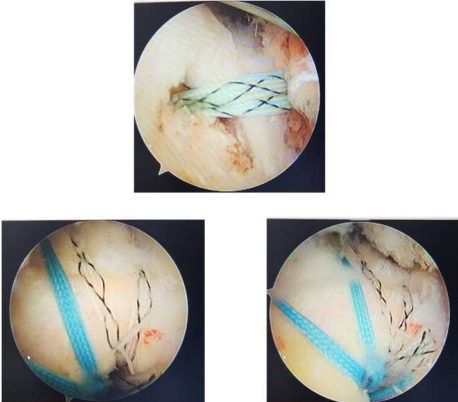
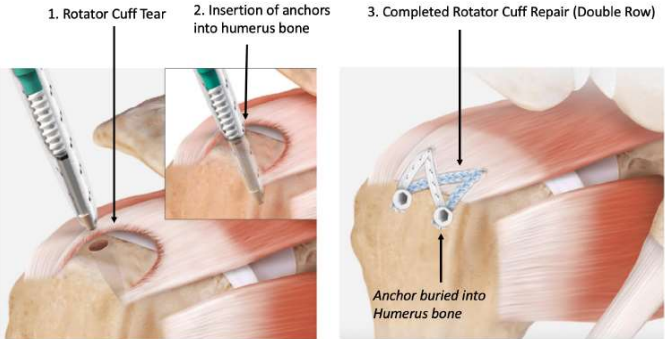
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Shoulder: Rotator cuff tear

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Intraoperative :
Supraspinatus repair with Double Row Knotless

Stages of an Arthroscopic (Keyhole) Rotator Cuff Repair

Arthroscopic Rotator cuff repair

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Post-operation




MRI at 10 weeks post-operation :
Supraspinatus complete healing

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Reverse Total Shoulder Arthroplasty (RSA)

Irreparable rotator cuff tear



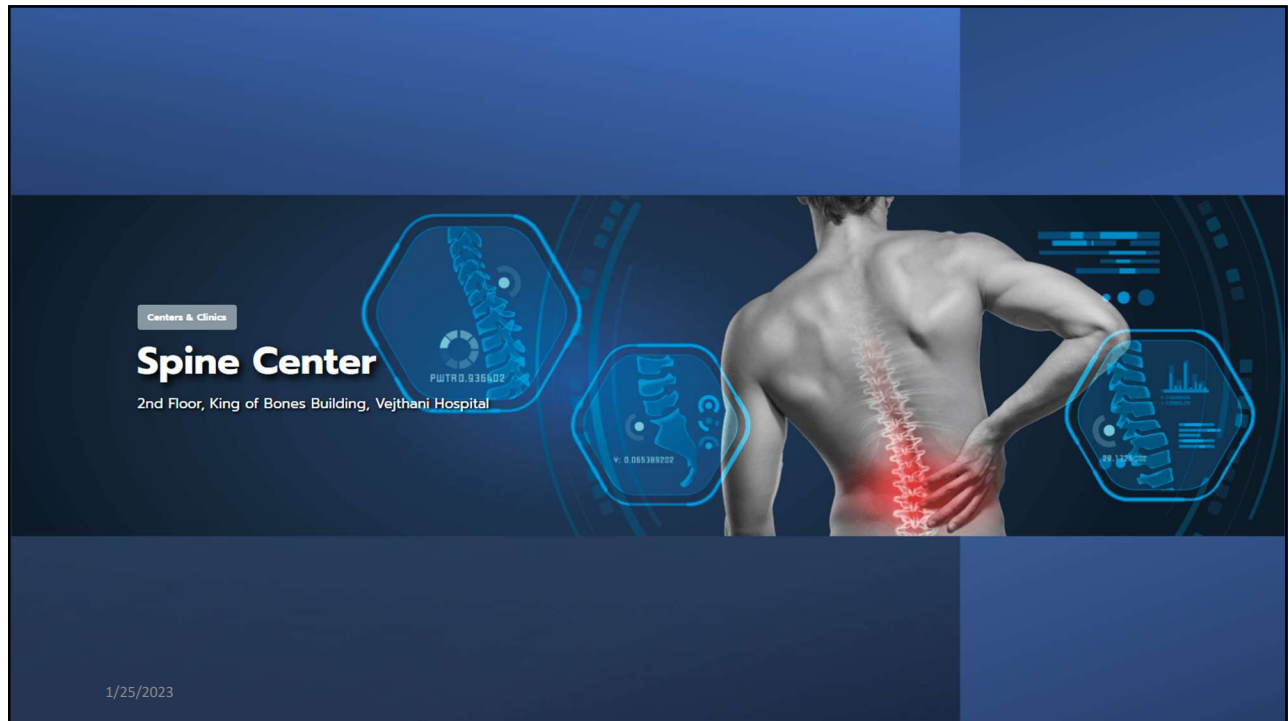
The image displays two views of a Reverse Total Shoulder Arthroplasty (RSA). On the left is a 3D anatomical model showing the glenoid component (a metal ball) implanted on the humeral head and the acetabular component (a metal socket) implanted on the scapula. On the right is a lateral X-ray of the shoulder showing the same components in place. The text 'Reverse Total Shoulder Arthroplasty (RSA)' and 'Irreparable rotator cuff tear' is positioned in the upper left quadrant of the image.

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Centers & Clinics

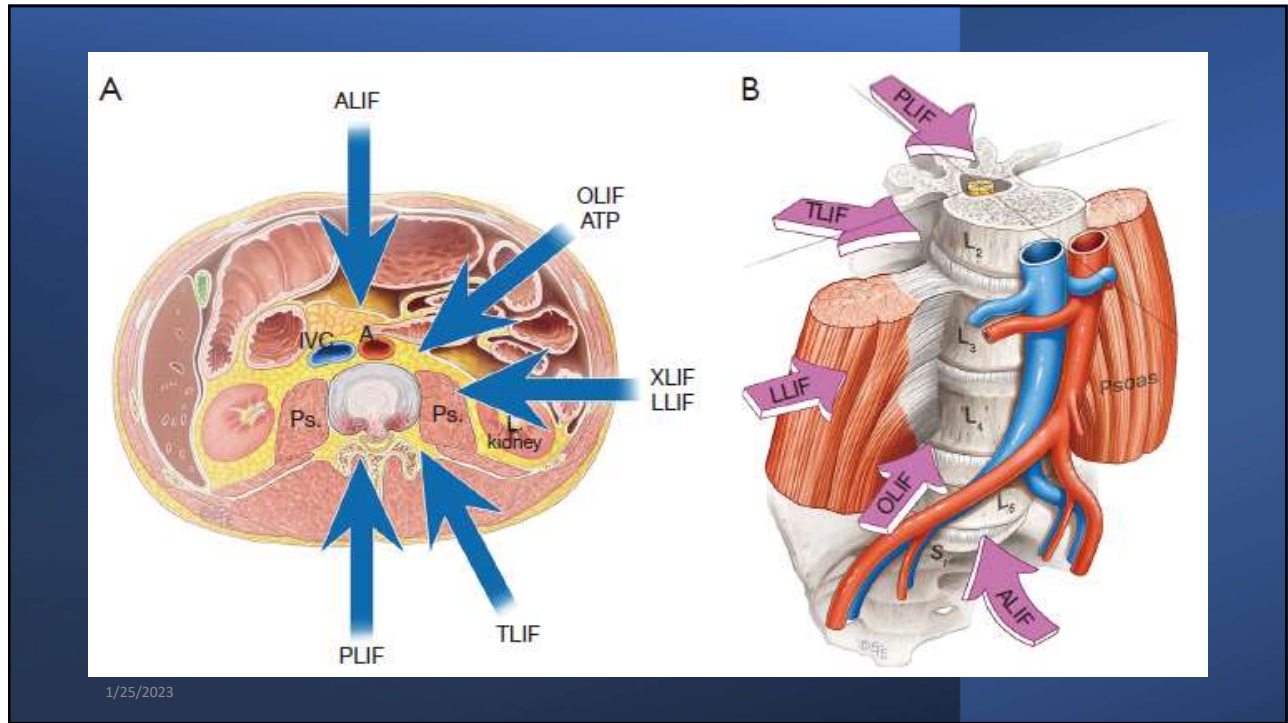
Spine Center

2nd Floor, King of Bones Building, Vejthani Hospital



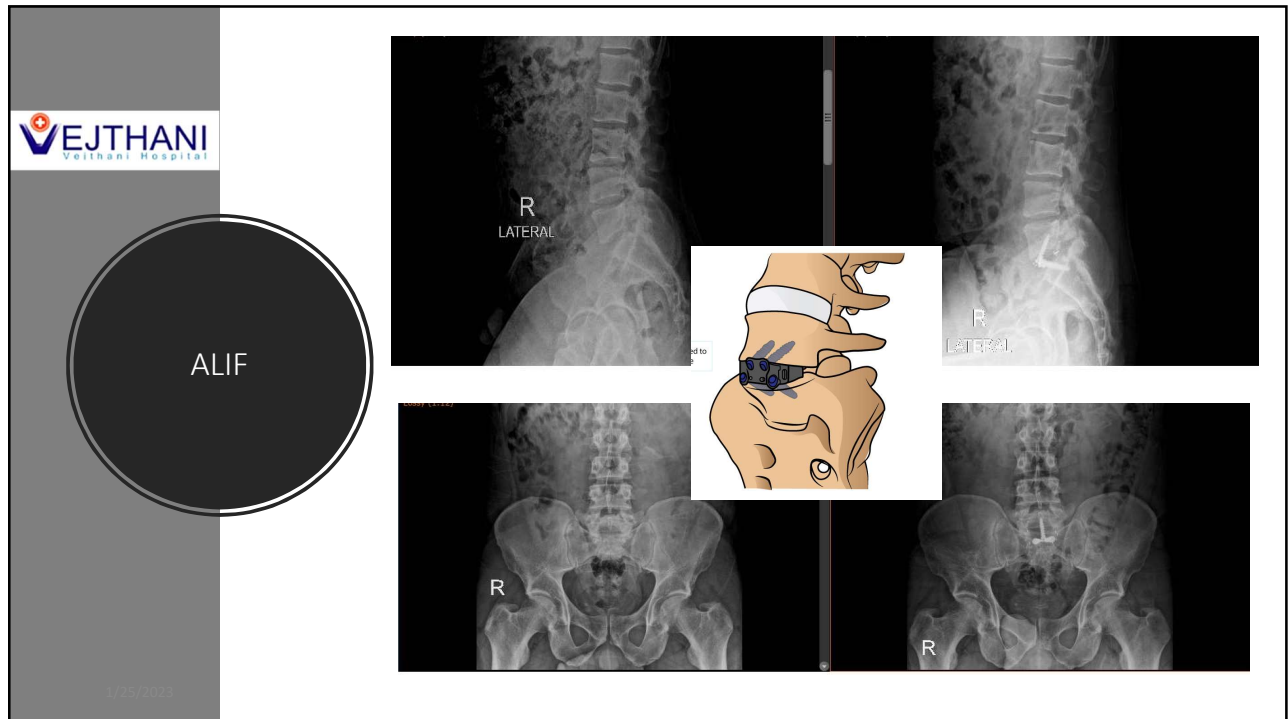
The banner features a central image of a human back with a red glow on the lower spine, indicating pain or injury. Surrounding this are several hexagonal icons containing diagrams of the spine and vertebrae. The text 'Centers & Clinics' is in a small box, 'Spine Center' is in large bold letters, and the address '2nd Floor, King of Bones Building, Vejthani Hospital' is below it. There are also some small alphanumeric codes like 'PWTR0.936402' and 'V: 0.065309202' near the spine diagrams.

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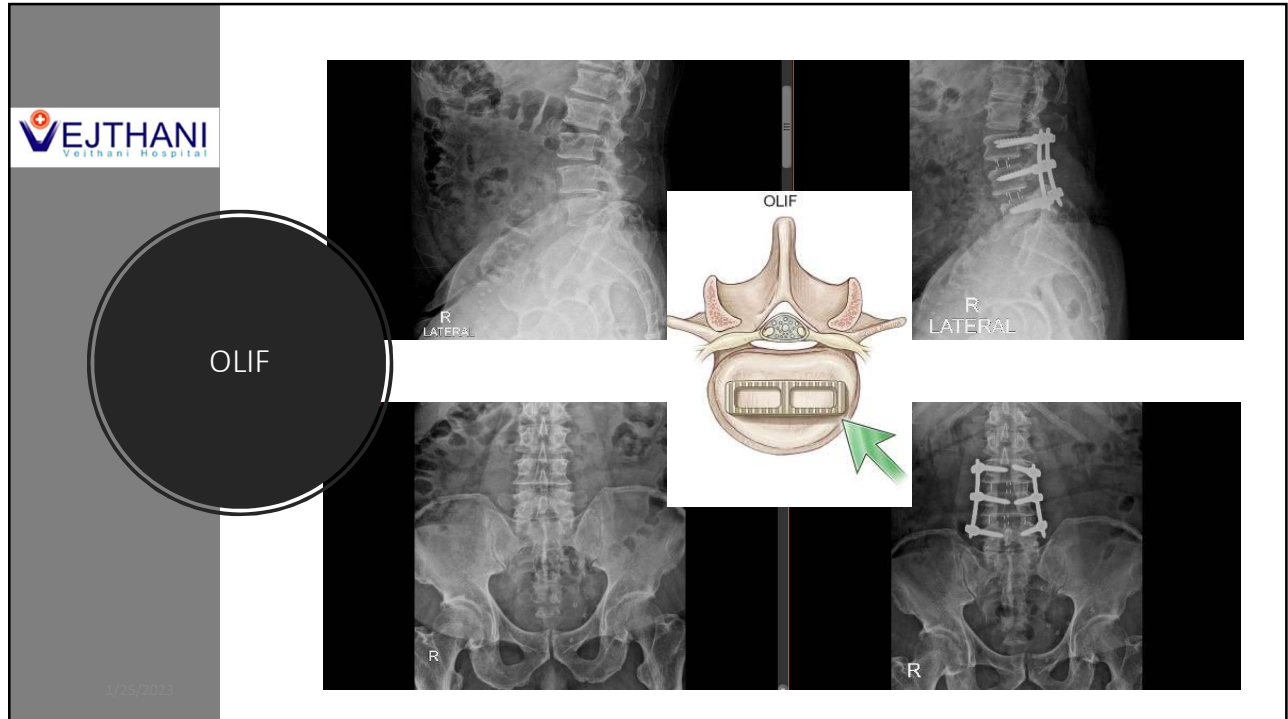
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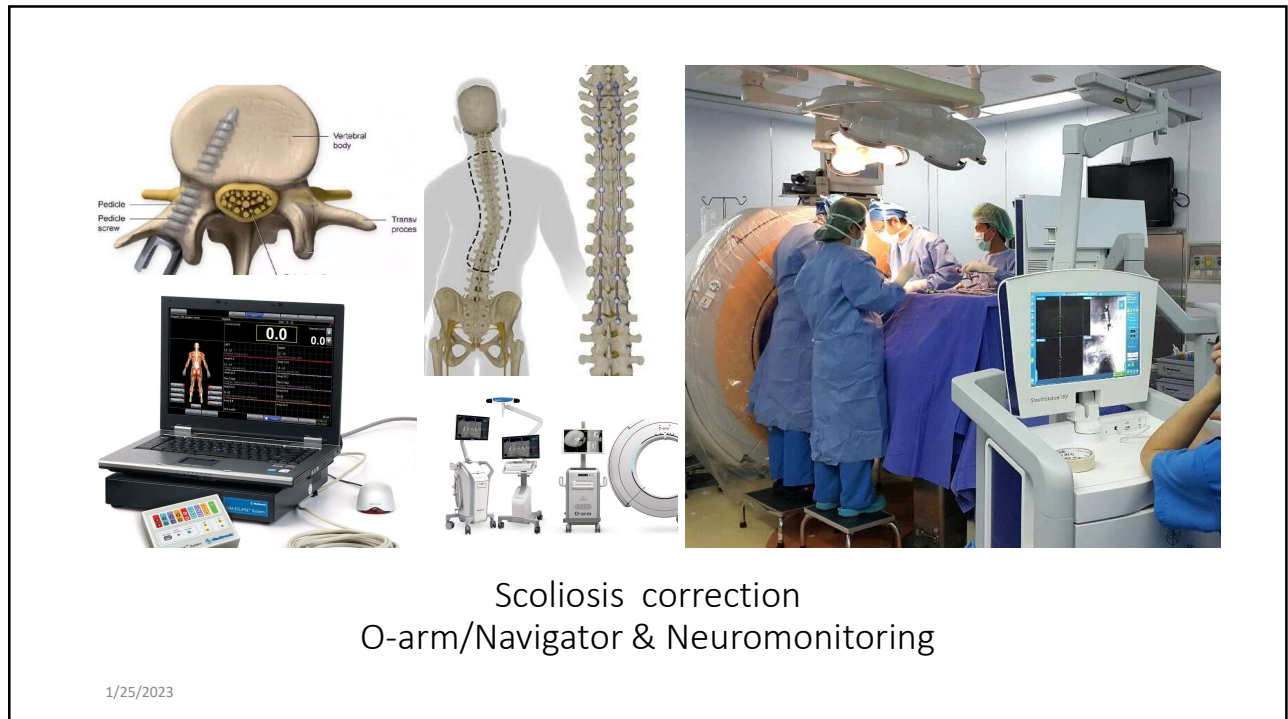


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 **Scoliosis correction**

Series Desc: SPINE
1 - 1
Lossy (1:18)

Zoom: 8%

1 - 1
Lossy (1:17)

Zoom: 8%

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Centers & Clinics

Diabetic Foot and Wound Center

Veithani Hospital

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Diabetic foot surgery program

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Diabetic foot surgery program	Description
Prophylactic	Procedure performed to reduce risk of ulceration or re-ulceration in person with loss of protective sensation but without open wound
Curative	Procedure performed to assist in healing open wound
Emergent	Procedure performed to limit progression of acute infection

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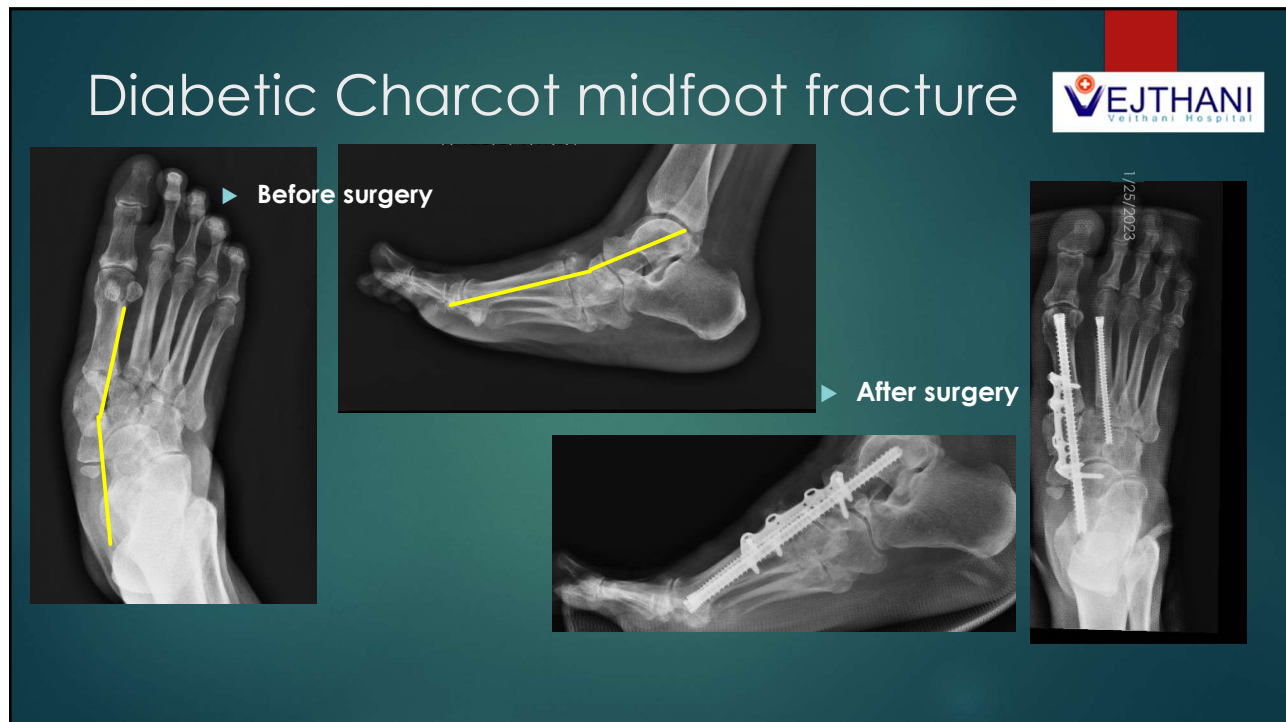
Endoscopic tendon release to correct contractor that can cause diabetic foot ulcer

Surgery to correct toe deformity that can cause diabetic foot ulcer

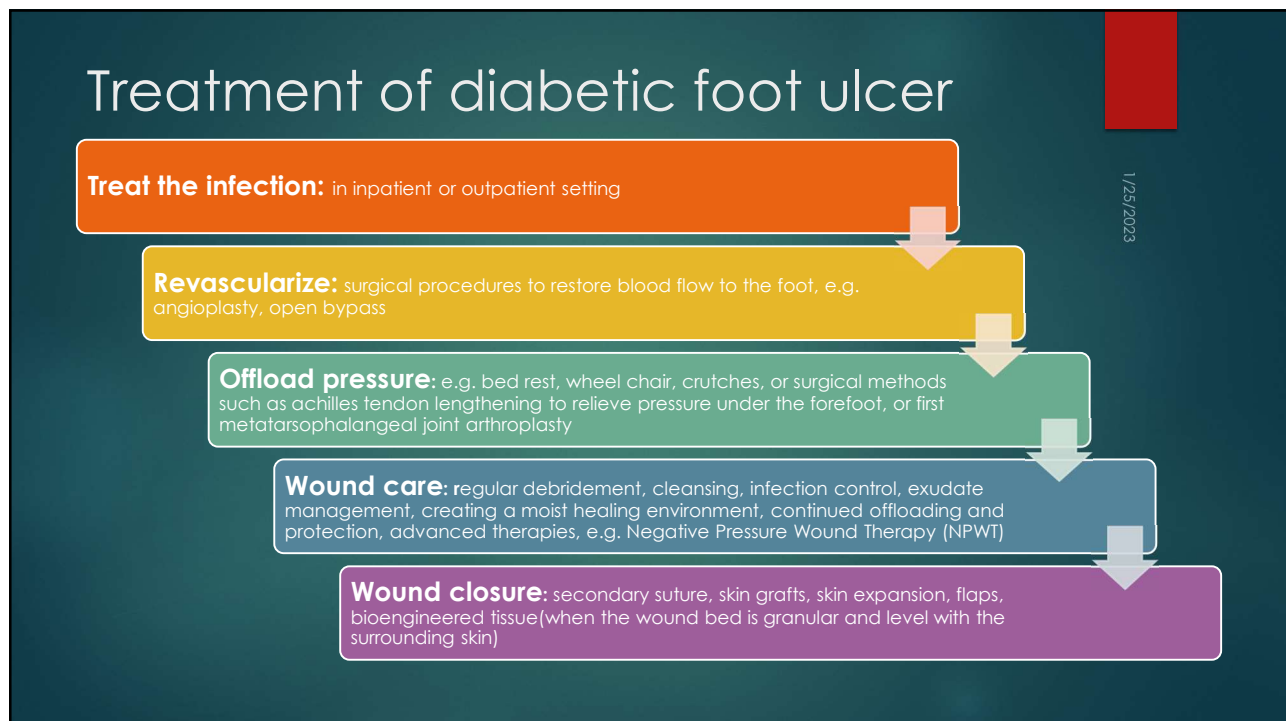
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Centers & Clinics

ADVANCED REHABILITATION CENTER

5th-6th Floors, King of Bones Building, Vejthani Hospital

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3. Advance Rehabilitation Center



Robotic Assisted Human Movement Rehabilitation

- ▶ **Robotic AR VR**
- ▶ Assist-as-needed Robotic Support
- ▶ Physiologic gait
- ▶ Interactive Exercises
- ▶ Optimal Patient Challenge Supporting Specific Training Goals
- ▶ Real-time Feedback
- ▶ AR VR Gate Analysis and Training

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Advantages of ArmeoSpring Therapy

Self-Initiated Movement Therapy

By providing arm weight support, the ArmeoSpring enables patients to use any remaining motor functions and encourages them to achieve a higher number of reach and grasp movements based on specific therapy goals.

[Learn More >](#)



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How the Hand of Hope works

The Hand of Hope is a therapeutic device that may help patients regain hand mobility through motor relearning, the patient self-initiates movement through voluntary EMG signals that indicates an intention to move.

1. Intention to Move
The Hand of Hope detects the patient's intention for hand motion using voluntary EMG signals commanded by the brain

2. Motion Signal
The Device processes these signals and delivers them to the hand brace

3. Perform Movement
The Hand brace provides an assistive function for hand motion

4. Positive Feedback
The Patient relearns hand function through positive feedback

5. Interactive
Real-time interactive games enhance the training outcomes

1 Brain
Intention to move

2 Motor Neuron
Transmit motion signal

3 EMG Sensors
Capture voluntary EMG signal

4 EMG + HOH
The HOH responds to the user's desire to move the hand through a real time interactive EMG signal displayed on the bar

Hand of Hope
For hand rehabilitation

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Luna EMG
FOR KINESIOTHERAPY

Every patient needs personalized care!
With Luna EMG's **exchangeable extensions** you will be able to provide the best care possible in various settings!

Explore the possibilities!

UPPER EXTREMITY EXERCISES

Forearm pronation / supination

Elbow flexion / extension

Arm flexion / extension - lying on the back


Arm internal / external rotation

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Neofect Cognition

Neofect Cognition approaches cognitive rehabilitation with spiral structure, so as to promotes relearning and retraining of damaged cognitive functions.



Importance of Cognitive Rehabilitation

Cognitive function refers to the intellectual activities that encompass memory, reasoning, attention and language. Damage to cognitive function can cause difficulties in one's daily life. Promoting brain neuroplasticity is a key element to the rehabilitation process after a brain injury. Neuroplasticity is a concept that states that the brain will essentially rewire itself to compensate for the area of injury or damage. Cognitive rehabilitation focuses on the importance of retraining the brain.

Basic Approach to Cognitive Rehabilitation

It is shown that in order to be successful with cognitive training it is best to progress using a bottom-up approach; progressing from simple to more complicated activities. Neofect Cognition designs its cognitive rehabilitation around the Hierarchical Approach, which focuses on attention, perception, discrimination, organization and memory.

Concept


CACR(Computer Assisted Cognitive Rehabilitation) that shows notable enhancement of brain damaged patients in memory, problem solving, attention training. It maximizes the concentration of patients with a new design and a way to touch the screen, collaboratively developed by the experts from different disciplines.

- Coherent Repeated Learning**
Standardized repeated learning adapted to all therapists and patients.
- Stepwise Refinement of Difficulty Level**
Provide automatically customized difficulty level to individual patients
- Instant Feedback**
Provide immediate feedback on performance
- Cure Effect Quantification**
Determine the effect by an accurate note and analysis on patient's performance

- Collaborative Expert RAD**
Developed by the experts from different disciplines: clinicians, therapists and engineers
- Training Design Reinforcement**
Improve interest and concentration by changing contents and graphic in regard to the purpose
- Instinctive User Experience**
UX reinforced for therapists and patients to have a good understanding of progress and results of the training.
- All touch Screen**
Improve interest and concentration by changing contents and graphic in regard to the purpose


Cognition Rehab Process

1. Instinctive Selection




Training Selection per Specific Purpose

3. Training Immersion




Reinforced Design Meeting the Purpose

2. Convenient Use



Instinctive Images Screen Touch Input Training Managing Widget

4. Training Performance & Report



Contents Difficulty Segmentation Comprehensive Result per Training Purpose Cure Result per Each Training

Cognitive Rehabilitation

Cognitive function refers to the intellectual activities that encompass memory, reasoning, attention and language

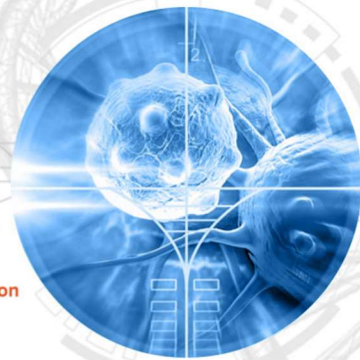
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Life Cancer Center

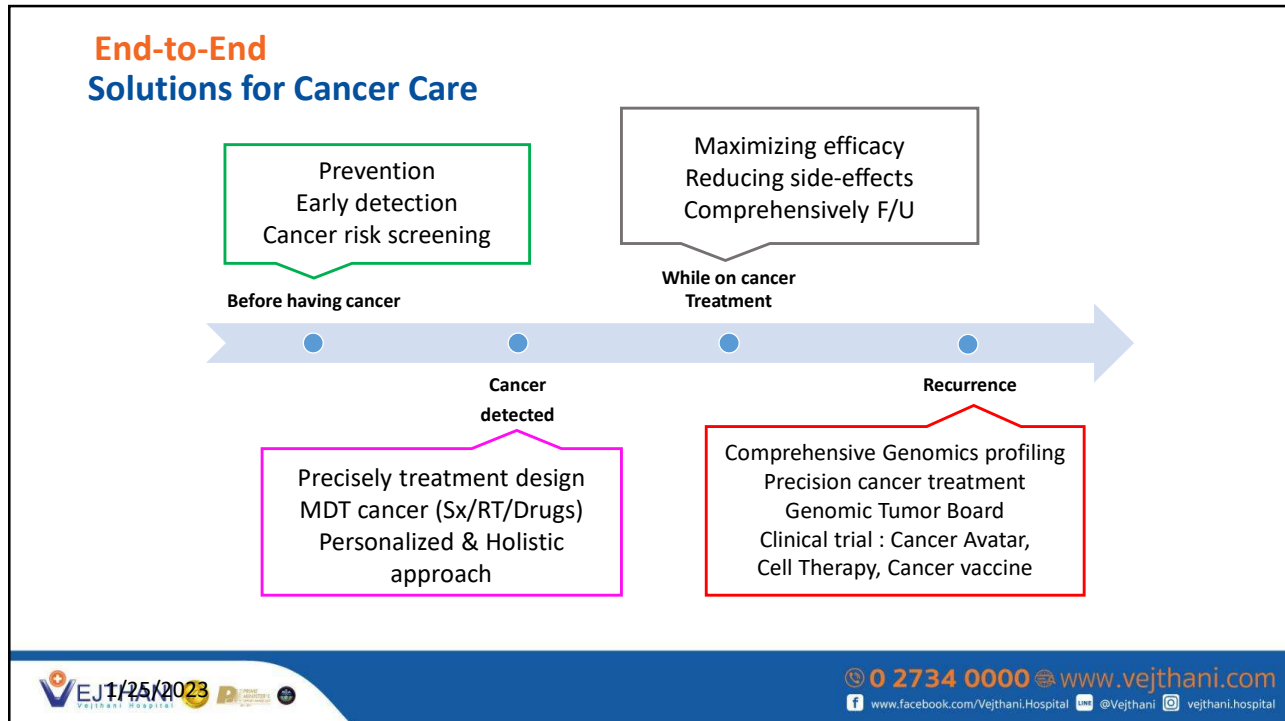
Life Cancer Center, Vejthani Hospital, 3rd floor

Treatment of Cancer

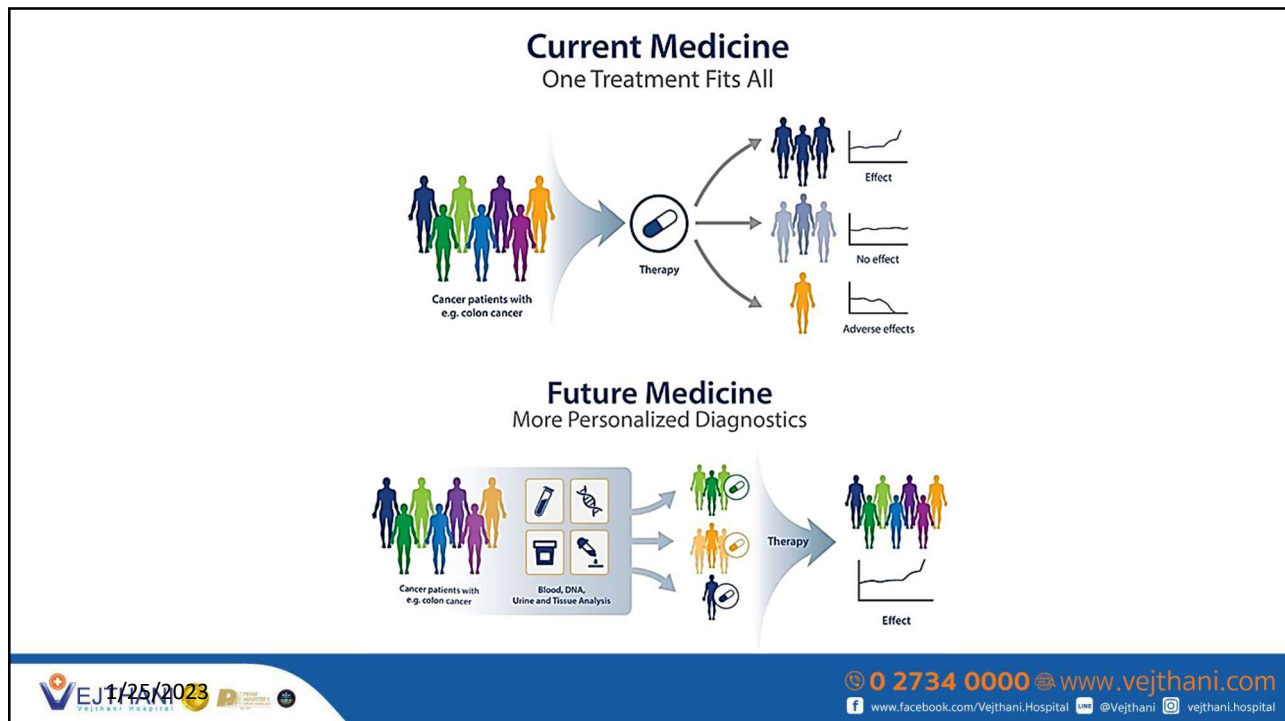
- Surgery
- Radiation therapy
- Chemotherapy
- Targeted therapy
- Immunotherapy
- Hormone therapy
- Bone marrow transplantation
- Stem cell transplantation



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INNOVATIVE - Research

Cancer Vaccine



Cell Therapy



Cancer Avatar



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