

BH BANGKOK
HOSPITAL

MEDICAL ROBOT HUB



*Center of Robotic
Innovation*
ASIA PACIFIC



The da Vinci Xi ROBOT-Assisted Surgery

An intelligent surgical solution
for Minimally Invasive Surgery



1,000+
cases
since 2023

Unplanned
reoperation
<0.60%

Post-operative
complication
<0.61%

Re-admission
rate
<0.37%

“Robotic-Assisted Surgery using the da Vinci Xi is currently the most advanced platform designed for a wide range of minimally invasive surgeries. Robotic arms and 3D camera allow enhanced visualization with better access to hard-to-reach areas, resulting in an improved surgical precision with less postoperative complication and faster recovery”

WHAT FOR?



Thoracic diseases
e.g. lung cancer, chest wall cancer and thymus gland disease.



Abdominal diseases and Hepato-pancreato-biliary diseases
e.g. hernias, gallstones, liver cancer, pancreatic cancer and gallbladder cancer.



Gastrointestinal diseases
e.g. esophageal cancer and colorectal cancer.



Gynecological diseases
e.g. uterine fibroid or uterine cancer, ovarian mass and pelvic organ prolapse.



Otolaryngology-head and neck diseases
e.g. benign tumors in the throat, neck masses, tonsil cancer, and nasopharyngeal cancer.



Urological diseases
e.g. prostate cancer, bladder cancer and kidney cancer.

KEY BENEFITS



Better Access



Improved Visualization



Enhanced Precision



Less Complications



Fast Recovery



The da Vinci Xi ROBOT-Assisted Surgery



OUR EXPERT SPECIALISTS



Dr. Padungkiat
Tangpiroontham



Asst. Prof. Dr. Tanet
Thaidumrong



Dr. Yingchi
Wang



Dr. Chanin
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Assoc. Prof. Dr. Thun
Ingkakul, MD, FACS, FRCST



Asst. Prof. Dr. Supreecha
Asavakarn



Dr. Romyen
Jitmongngan



**The Next Generation Robot
for Personalized
Total Knee Replacement**

“VELYS™ Robotic-Assisted Solutions is the 4th generation of robotic-assisted devices deploying cutting-edge technology to assist the orthopedic surgeons in performing total knee replacement with improved precision and accuracy personalized for each patient’s specific anatomy.”

WHAT FOR?



Patients underwent previous knee replacement
with impaired knee function or movement



Patients with knee arthritist
due to advancing age, rheumatoid arthritis or accidents

KEY BENEFITS



Enhanced surgical precision
Personalized for your knees



Small incision, less pain and fast recovery
With greater range of motion



High safety degree with CT-Free Technology
No radiation exposure



Increased implant lifespan
With improved patient satisfaction

244+
cases
since 2024

Up to 95%
Improved Range
of Motion

Resume walking
within
6 hrs
after surgery

0.1-0.4%
Complication rates

100%
Radiation free



OUR EXPERT SPECIALISTS



Dr. Wallob
Samranvedhya



Dr. Sombat
Rojviroj



Dr. Boonyarak
Visutipol



Dr. Phonthakorn
Panichkul



Dr. Sarit
Hongvilai



Dr. Panuwat
Silawatshananai

ARTIS pheno

Cutting-Edge Robotic Imaging

For Minimally Invasive
Orthopedic Surgery



470+
cases
since 2019

Infection rates
after surgery
<0.1%

24/7
Trauma and
orthopedic
surgeon team available

0%

Unexpected reoperation
within 28 days
after being discharged

“**ARTIS pheno** is cutting-edge robotic imaging machine (3D fluoroscope) that provides high resolution real-time 2D and 3D (CT like) images used during minimally invasive orthopedic surgeries, enabling instant decision making and facilitates control for better outcomes”

WHAT FOR?



Fractures requiring reduction and fixation,
e.g. pelvis, collar bone, shoulder, elbow,
femur, tibia, foot and ankle

KEY BENEFITS



Verify bone

implant position to improve stability of fixation and surgical accuracy



Shorten operative time
with less radiation exposure



Minimize risks

of postoperative complications



Reduce chance
of revision surgery



Preserve the blood supply

to the fracture area and promote healing process



OUR EXPERT SPECIALISTS



Dr. Suthorn
Bavonratanavech



Dr. Yongsakdi
Liengudom



Dr. Vajara
Phiphobmongkol



Dr. Nathapon
Chantaraseno



Dr. Apisan
Chinanuvathana



Dr. Chatchanin
Mayurasakorn



Dr. Eakachit
Sikarinkul



Dr. Pongtorn
Sirithianchai

**Improved Mobility
and Accelerated Recovery**



“**WALKBOT or Robot - Assisted Gait Training** is a treadmill-based robotic equipment with body weight support for gait and balance training, to help patients who have walking disability from neurological or orthopedic and spine conditions, enabling them to walk again with confidence ”

WHAT FOR?

Patients with orthopedic conditions

e.g. spinal cord injury, hip or knee replacement and other orthopedic surgeries

Patients with neurological conditions

e.g. stroke, Parkinson's disease, cerebral palsy, multiple sclerosis and brain injury

KEY BENEFITS



Regain muscle strength
and stimulate nervous system



Enhance mobility
with fast recovery



Improve neurological
or musculoskeletal impairment



Promote balance
and natural gait pattern

**306+
cases
since 2019**

100%
Supervised by
rehabilitation
specialists

Mobility
improvement
**up to
90%**
after
3 months



OUR EXPERT SPECIALISTS

Neurological specialists



Spine specialists



MEDICAL ROBOT HUB



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For more information,
please scan



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