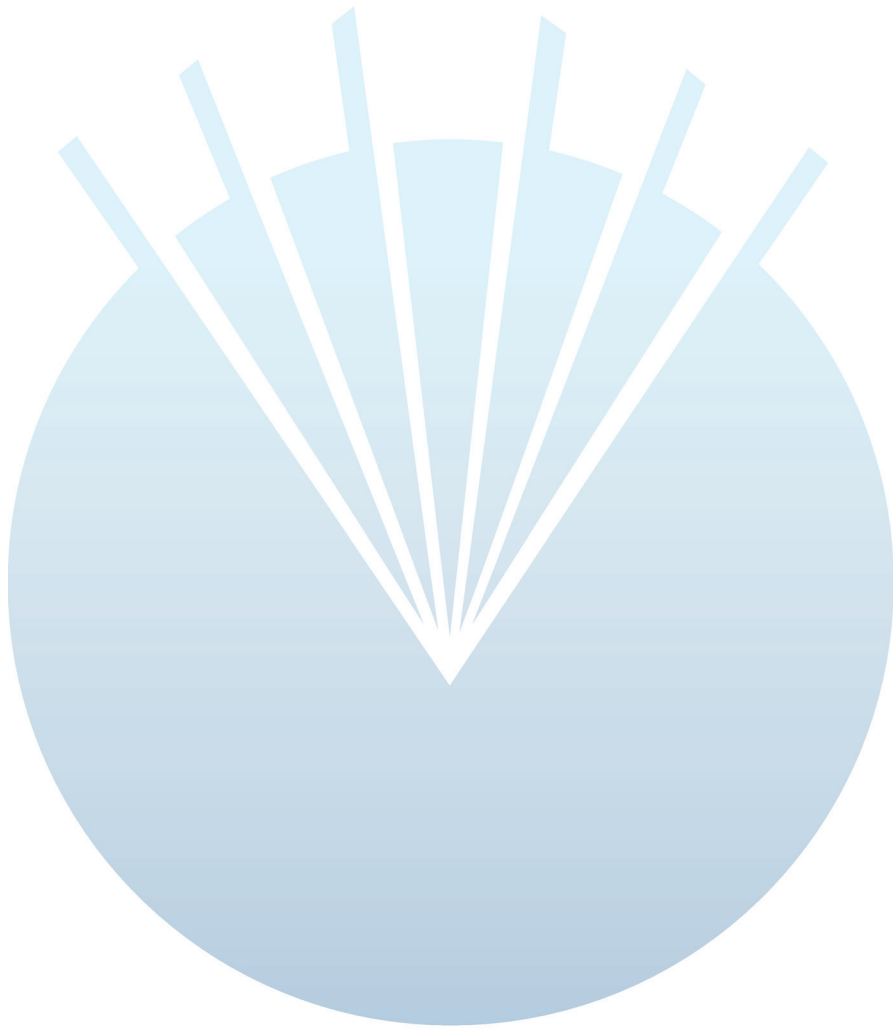


Focused Ultrasound State of the Field 2015



FOCUSED
ULTRASOUND
FOUNDATION



Charts by subjects

2	Introduction	20	Pre-clinical Research Sites
3	Executive Summary	20	By Region
4	State of Research and Regulatory Approval by Indications	21	North America
4	State of Research and Regulatory Approval by Development Stage	23	Europe
5	State of the Field	24	Asia
5	Medical Literature & Scientific Exchange	24	Oceania
5	NIH Research Grants	25	Clinical Research Sites
6	Treatments by Indications	25	By Region
7	Regulatory Approvals by Region and Manufacturer	26	North America
8	Manufacturers	27	South America
8	By Region	28	Europe
9	Growth of Manufacturers by Types	30	Asia
10	Research Trends	31	Oceania
10	Growth of Research Sites	32	Commercial Treatment
11	Leading Indications by Number of Sites	32	By Region and Indications
11	Emerging Research Indications by Number of Sites	33	By Country
12	Research Sites	34	By Region
12	By Region	35	North America
13	North America, South America	36	South America
16	Europe	37	Europe
18	Asia, Oceania	42	Asia
		44	Africa, Oceania

The information in this report was provided by manufacturers and the focused ultrasound research community to the Focused Ultrasound Foundation. The FUS Foundation aims to provide the most accurate information; if you have more current or updated information please send it to: engagement@fusfoundation.org.

Introduction

Breakthrough Treatment

Focused ultrasound is an early stage, non-invasive therapeutic technology with the potential to transform the treatment of many medical disorders by using ultrasonic energy to target tissue deep in the body without incisions or radiation. Focused ultrasound is the union of two innovative technologies:

- focused ultrasound—which provides the energy to treat tissue deep in the body precisely and noninvasively
- magnetic resonance or ultrasound imaging—which is used to identify and target the tissue to be treated, guide and control the treatment in real time, and confirm the effectiveness of the treatment.

The fundamental principle is analogous to using a magnifying glass to focus beams of sunlight on a single point to burn

All indicators point toward the evolution of this platform technology into a robust medical field, with the pace of research and development, publications, patient treatments and the number of device manufacturers all increasing rapidly in the past few years.

a hole in a leaf. With focused ultrasound, an acoustic lens is used to concentrate multiple intersecting beams of ultrasound on a target deep in the body with extreme precision and accuracy.

Where each of the individual beams passes through the tissue, there is no effect. But, at the focal point, the convergence of the multiple beams of focused ultrasound energy results

in many important biological effects, creating the possibility of treating a variety of medical disorders.

Focused ultrasound treatments can be performed on an outpatient basis, require no incisions, and can result in minimal discomfort and few complications, allowing for rapid recovery.

Field Expanding Through Research, Development, and Commercialization

Even though focused ultrasound is currently in the early stages of development and adoption, it has the potential to transform the treatment of a variety of serious medical conditions, including neurological disorders, many cancers, cardiovascular disease and endocrine disorders.

All indicators point toward the evolution of this platform technology into a robust medical field, with the pace of research and development, publications, patient treatments and the number of device manufacturers all increasing rapidly in the past few years.

There are focused ultrasound systems currently approved in the U.S. to treat uterine fibroids and the pain from bone metastases. In addition, there are more than 15 applications of the technology approved for commercial use in Europe and other regions of the world. More uses are still undergoing research, with opportunities for patients to participate in clinical trials at leading medical research institutions. And even more potential uses of the technology are in the early stages of technical research.

Advancing the Technology Through Venture Philanthropy

The Focused Ultrasound Foundation was created to improve the lives of millions of people worldwide by accelerating the development and adoption of focused ultrasound therapies. The Foundation works to clear the path to global adoption by coordinating and funding research and educational activities, fostering collaboration among stakeholders, and building awareness of the technology among patients and professionals. The Foundation is dedicated to ensuring that focused ultrasound finds its place as a mainstream therapy for a range of neurological disorders, cancer and other life-threatening conditions within years, not decades.

Since its establishment in 2006, the Foundation has become the largest non-governmental source of funding for focused ultrasound research.

Executive Summary

The Field of Focused Ultrasound is Growing

Over the past several years, this technology has evolved from being primarily utilized by a select group of innovators at academic centers to being widely diffused among influential early adopters around the globe. There are currently 28 manufacturers, 225 research sites, and 391 commercial treatment centers worldwide.

More than 8,000 patients were treated commercially or in clinical trials worldwide in 2014. To date, nearly 90,000 patients have undergone focused ultrasound treatment for a range of serious medical conditions. Approved to treat 19 medical conditions in regions around the world, focused ultrasound has been most widely used to treat prostate cancer, followed by uterine fibroids and liver cancer.

Clinical and Overall Research Increasing

Not surprisingly, a majority of clinical research has been conducted around the most widely approved indications—uterine fibroids, prostate cancer, and bone metastases. The top emerging areas of clinical research include neurological disorders, tumors of the pancreas, liver and soft tissue, osteoid osteoma and uterine adenomyosis.

This report presents data to reflect a 33 percent increase in the total number of research sites around the world and an 11 percent increase in the number of sites that have been involved in clinical trials in the past year. This growth is due to the initiation of focused ultrasound research at many new sites as well as the Foundation's identification of more active research sites in Asia.

New Areas Emerge in Pre-Clinical Research

While historically the top three areas for pre-clinical research have been uterine fibroids, liver tumors and prostate cancer, the highest growth areas for this early research are stroke* and epilepsy, as indicated by the greatest percentage of new research sites. Robust pre-clinical groundwork is essential for translation of focused ultrasound to the clinic—particularly for brain applications. We expect to see a continued rise in pre-clinical and clinical research for a variety of new neurological indications over the coming years.

Funding on the Rise

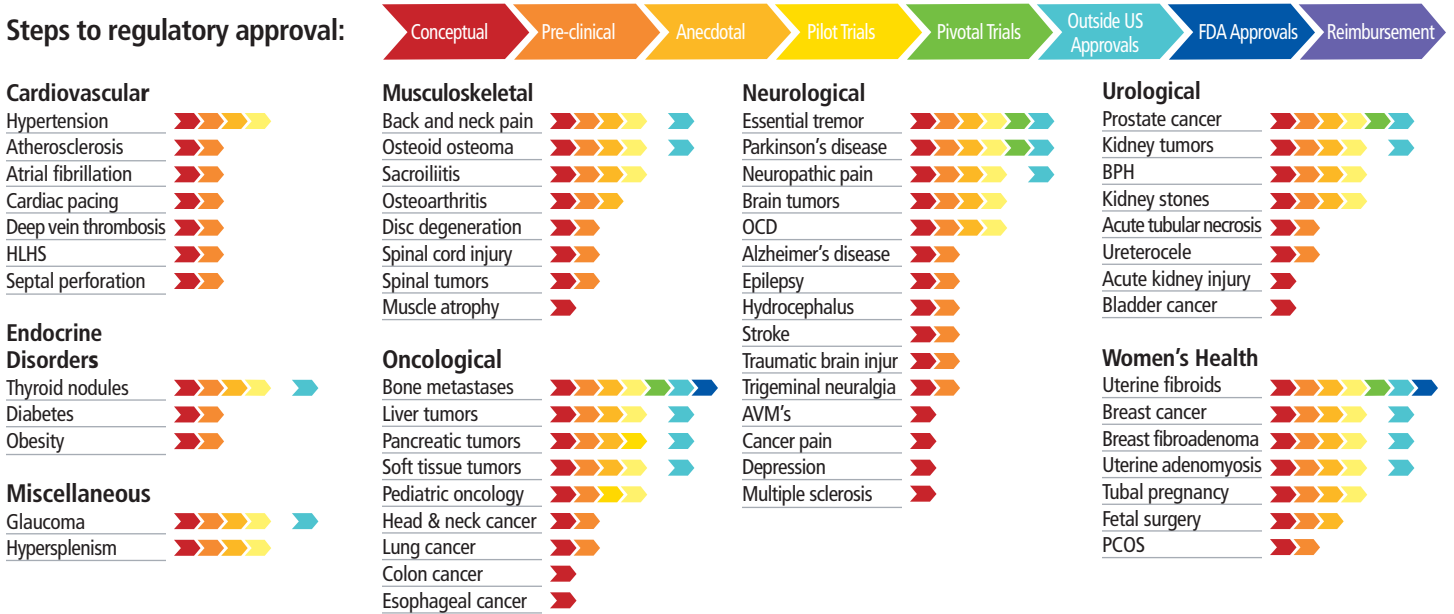
U.S. National Institutes of Health (NIH) funding for focused ultrasound research saw a 48% increase from \$21 million in 2013 to \$31 million in 2014. This boost in government funding may stem from an overall increase in the budget for the NIH, up \$2 billion from 2013 to 2014, as well as increased awareness and interest in the potential of focused ultrasound.

Increased funding of focused ultrasound research by the NIH, the Foundation, and other public and private organizations, has also encouraged more research in the field. Furthermore, the results of this research have been more widely reported in the literature, as indicated by a 25% increase in the number of articles published and over 11,000 citations of focused ultrasound papers within this same time frame.

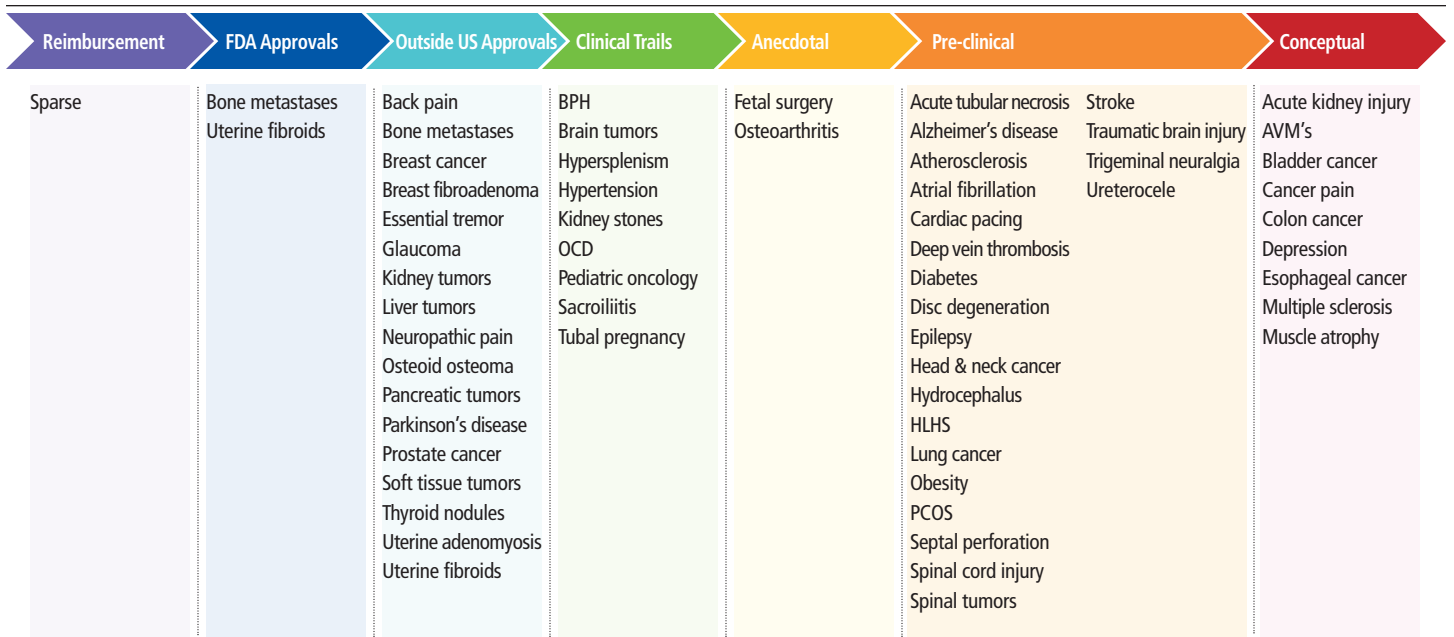
*Despite this growth, the Foundation's perspective is that the role of focused ultrasound in treating stroke will be eclipsed by other technologies.

Executive Summary

State of Research and Regulatory Approval by Indications



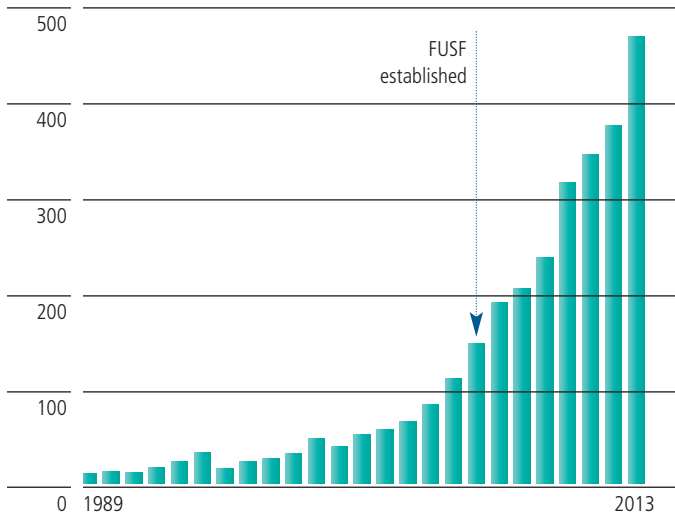
State of Research and Regulatory Approval by Development Stage



State of the Field

FUS Publications

Per year

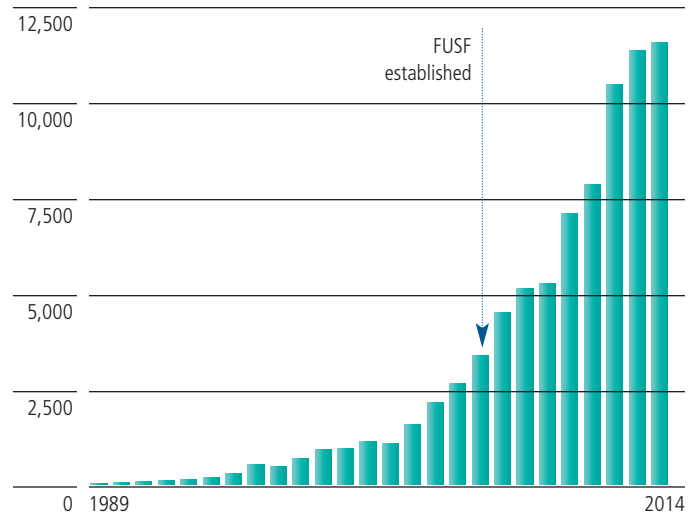


Source: Data from Medline as of January 2015.

Publications for 2014 are still being indexed by Medline and are not included in this graph.

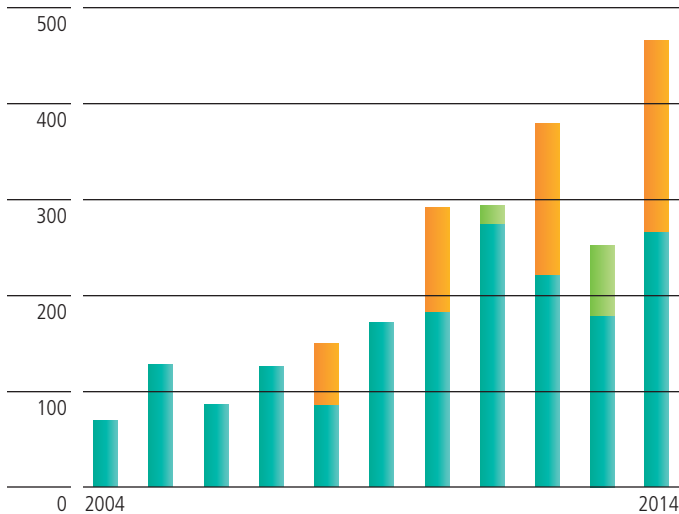
FUS Citations

Per year



Source: Web of Science.

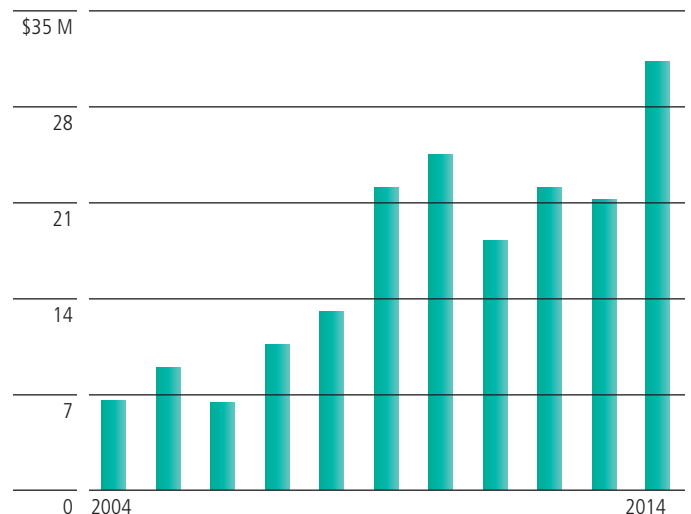
Abstracts Presented at FUS Symposia



- Focused Ultrasound Foundation Symposium
- European Symposium on Focused Ultrasound Therapy
- International Symposium on Therapeutic Ultrasound

Total Awards for All FUS NIH Research Grants

Dollars in millions

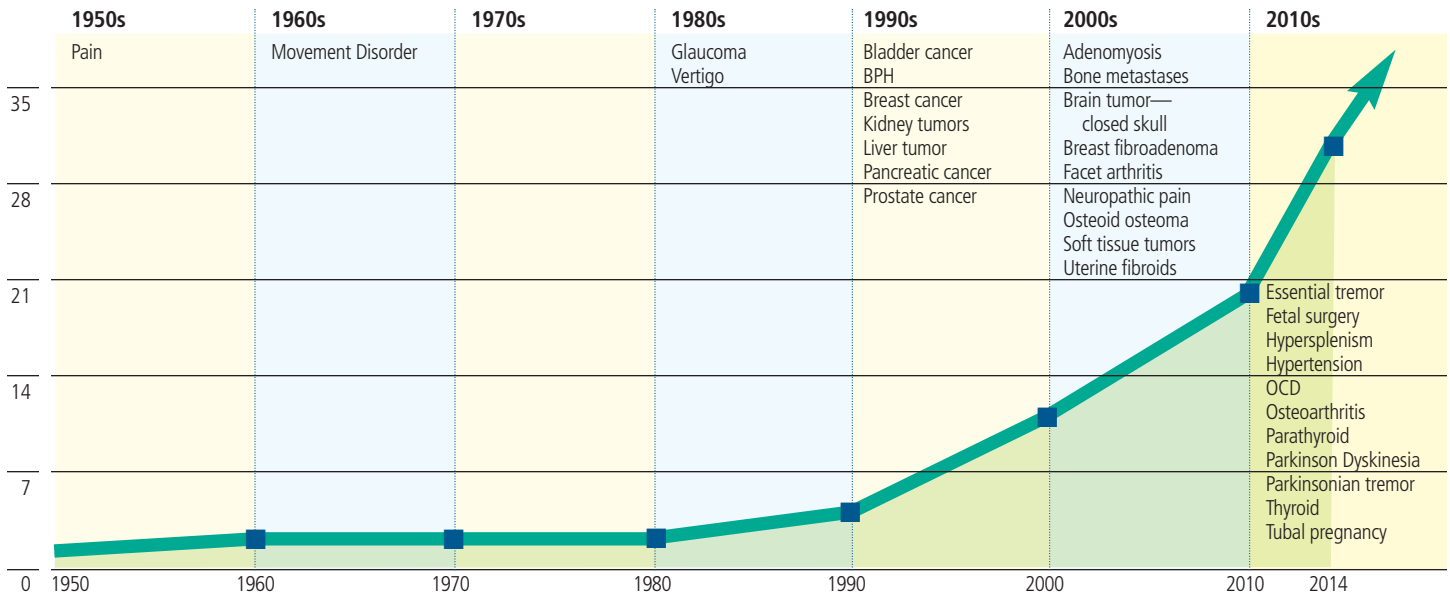


Source: NIH

State of the Field

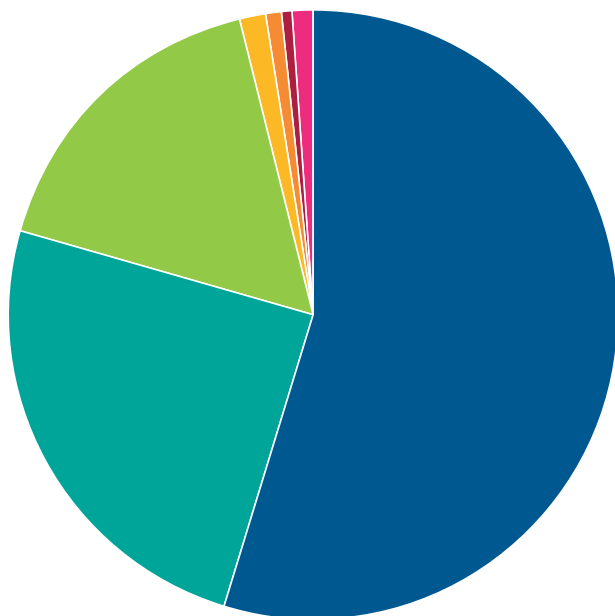
First in Human Treatments

Clinical trials or commercial treatments



Treatments by Indication

Up to 2014



89,544 Treatments

Prostate cancer	49,010	55%
Uterine fibroids	22,144	25%
Liver cancer	15,000	17%
Bone metastases	1,256	1%
BPH	725	>1%
Breast cancer	520	>1%
Others*	889	>1%

*Brain, Bone Non-Metastases, Breast Fibroadenoma, Kidney, MSK, Pancreas, Parathyroid, Rectal Carcinoma, Thyroid, Vascular

Manufacturer supplied data

The number of patient treatments reported is lower than the actual number procedures because of incomplete reporting from manufacturers and treatment sites.

State of the Field

FUS Approvals by Region and Manufacturer

Medical Condition	North America		Europe		Asia				S.America
	US FDA	Canada Health Canada	Europe CE Mark	Russia Roszdravnadzor	China CFDA	India CDSCO	Japan MHLW	Korea KFDA	Mid East
Back pain & neck pain			★						
Bone metastases	★	★	★		★	★	★	★	★
Breast cancer			★	★	★			★	
Breast fibroadenoma			★						
Essential tremor			★						
Glaucoma			★						
Kidney tumors			★	★	★			★	
Liver tumors			★	★	★			★	
Neuropathic pain			★						
Osteoid osteoma			★	★	★			★	
Pancreatic tumors			★		★				
Parkinsonian tremor			★						
Prostate cancer		★	★			★		★	★
Soft tissue tumors			★	★				★	
Thyroid nodules			★						
Uterine adenomyosis			★						
Uterine fibroids	★	★	★	★	★	★	★	★	★

Manufacturers

- ★ Chongqing Haifu (HIFU) Medical Technology Co., LTD, *Chongqing, China*
- ★ EDAP TMS S.A., *Vaulx-en-Velin, France*
- ★ EyeTechCare, *Rillieux-la-Pape, France*
- ★ InSightec LTD, *Tirat Carmel, Israel*
- ★ Philips Healthcare *Eindhoven, The Netherlands*
- ★ SonaCare Medical, LLC, *Charlotte, North Carolina*
- ★ Theracision, *Malakoff, France*

Manufacturers

Manufacturers by Region

■ US guidance ■ MR guidance ■ MR & US guidance ■ Camera Guidance ■ Transducers

9

North America

- FUS Instruments Inc.
Toronto, Canada
- Histosonics, Inc.
Ann Arbor, Michigan
- International Cardio Corporation, LLC
Minnetonka, Minnesota
- Kona Medical
Bellevue, Washington
- Mirabilis Medica
Bothell, Washington
- Profound Medical Inc.
Toronto, Canada
- SonaCare Medical, LLC
Charlotte, North Carolina
- Sonic Concepts
Bothell, Washington
- Verasonics
Redmond, Washington

11

Europe

- Acublate
London, UK
- EDAP TMS S.A.
Vaulx-en-Velin, France
- EyeTechCare
Rillieux-la-Pape, France
- Image Guided Therapy (IGT)
Pessac, France
- Imasonic
Voray-sur-l'Ognon, France
- InSightec LTD
Tirat Carmel, Israel
- Medsonic LTD
Limassol, Cyprus
- Philips Healthcare
Eindhoven, The Netherlands
- Slender Medical LTD
Herzliya, Israel
- Supersonic Imagine
Aix-en-Provence, France
- Theraclion
Malakoff, France

8

Asia

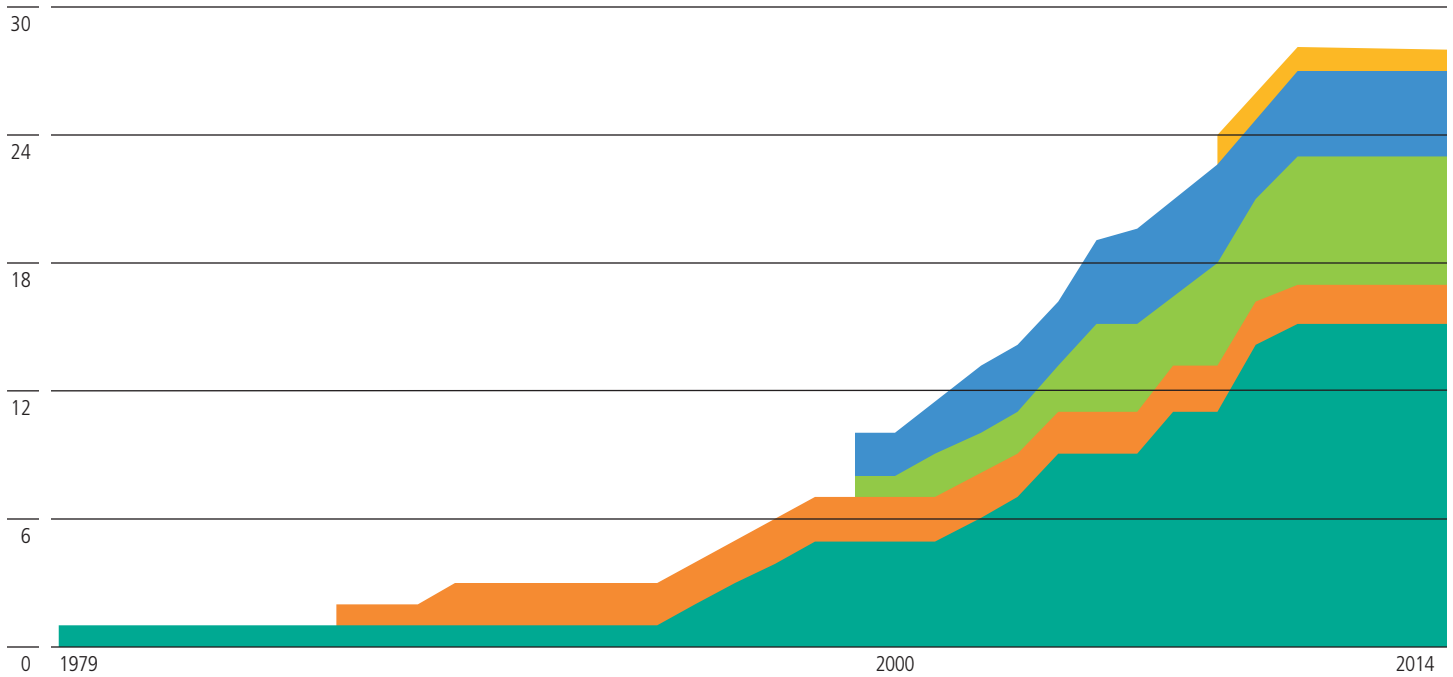
- Alpinion Medical Systems
Seoul, Korea
- Changjiangyuan Technology Development Co., LTD
Shenyang, China
- Chongqing Haifu (HIFU) Medical Technology Co., LTD
Chongqing, China
- Mianyang Sonic (SUONIKE) Electronic
Mianyang, China
- Shanghai A&S Co., LTD
Shanghai, China
- Shenzhen PRO-HIFU Medical Tech. Co., LTD
Shenzhen, China
- Shenzhen Wikkon
Shenzhen, China
- Sumo Corporations
Shanghai, China

Manufacturer Criteria: Ultrasound technology must be 1) therapeutic 2) non-invasive 3) focused 4) image-guided

Manufacturers

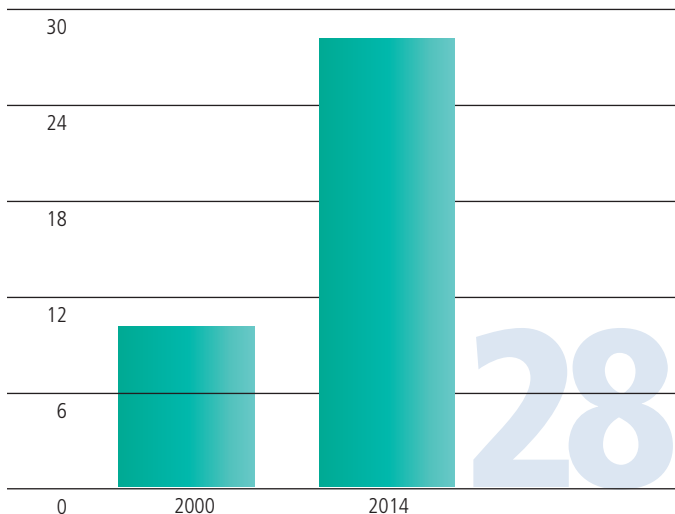
Growth of FUS Manufacturers

■ US guidance
 ■ MR guidance
 ■ MR & US guidance
 ■ Camera guidance
 ■ Transducers



Source: Manufacturer supplied data

Number of Manufacturers

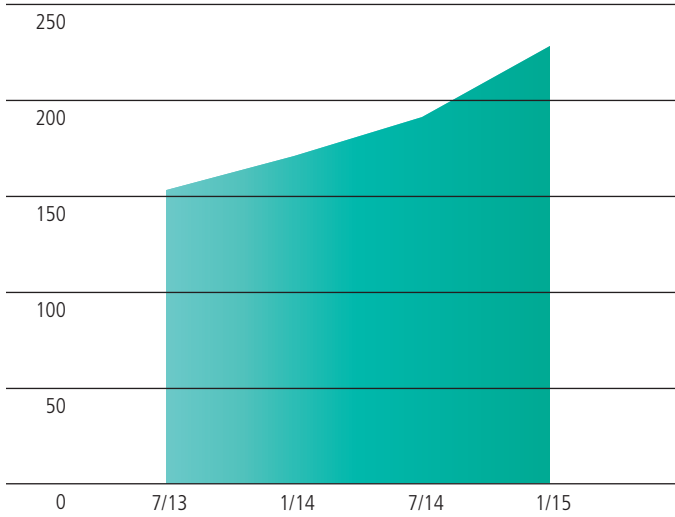


- | | |
|--|---|
| <p>US guidance</p> <ul style="list-style-type: none"> 1979 EDAP FUS 1995 Sumo Corporations 1996 Shenzhen Wikkon 1997 SonaCare 1998 Mianyang Sonic 2002 Verasonics 2003 Shenzhen PRO-HIFU 2004 Mirabilis Theraclion 2007 Alpinion Slender Medical 2009 Histosonic International Cardio Corp. Kona Medical 2010 Acublate | <p>MR guidance</p> <ul style="list-style-type: none"> 1999 Insightec 2001 Image Guided Therapy 2005 Medsonic Philips FUS 2008 Profound 2009 FUS Instruments |
| <p>Transducers</p> <ul style="list-style-type: none"> 1986 Sonic Concepts 1989 Imasonic | <p>MR & US guidance</p> <ul style="list-style-type: none"> 1999 Changjiangyuan Tech Chongqing HAIFU 2001 Shanghai A&S 2005 Supersonic |
| | <p>Camera Guidance</p> <ul style="list-style-type: none"> 2008 EyeTechCare |

Research Trends

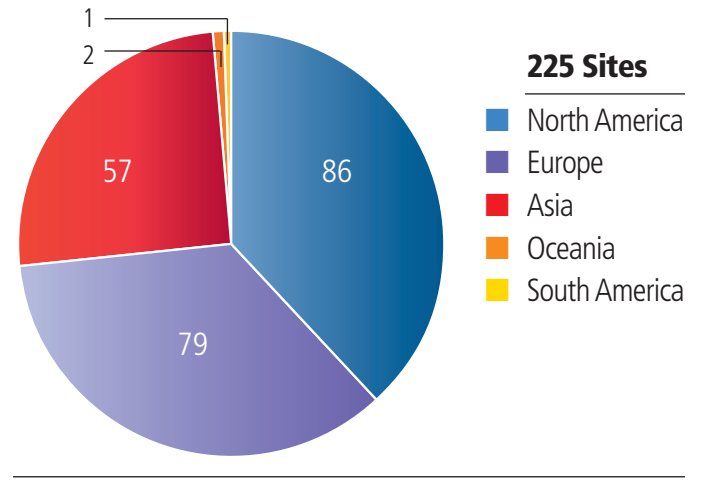
Total Research Sites Growth

July 2013 to January 2015



Total Research Sites by Region

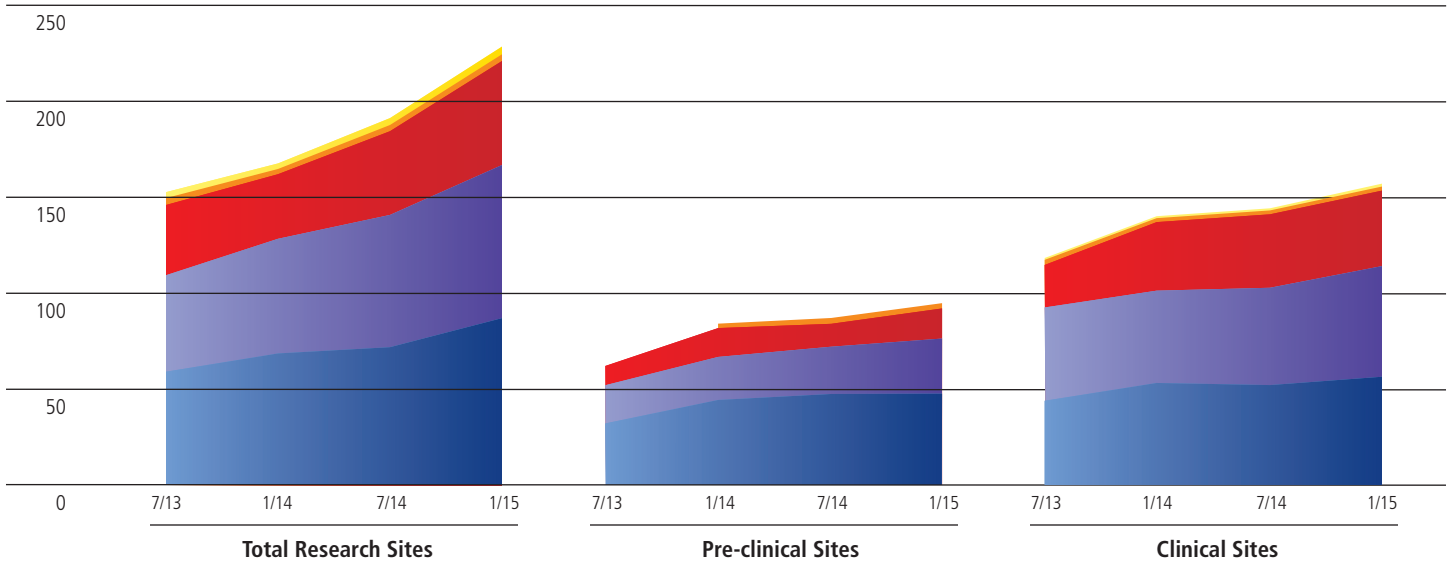
January 2015



Research Sites Growth by Region

July 2013 to January 2015

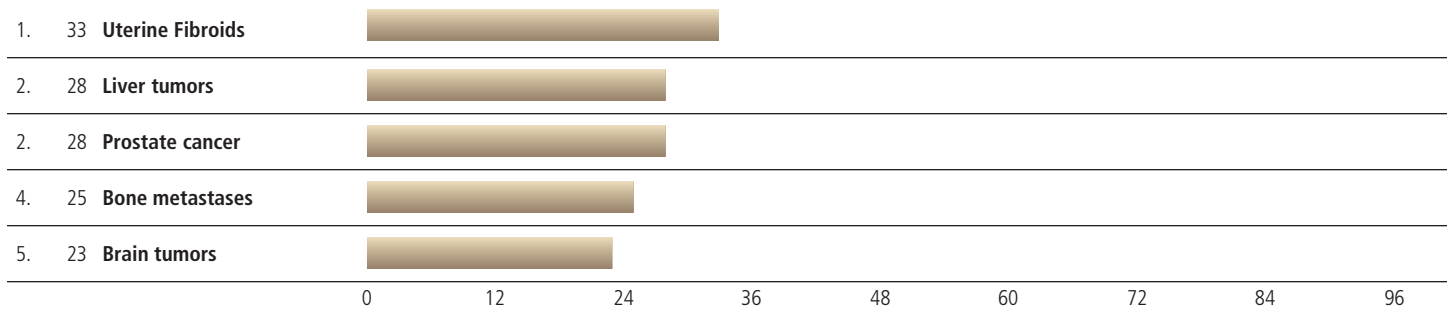
■ North America ■ Europe ■ Asia ■ Oceania ■ South America



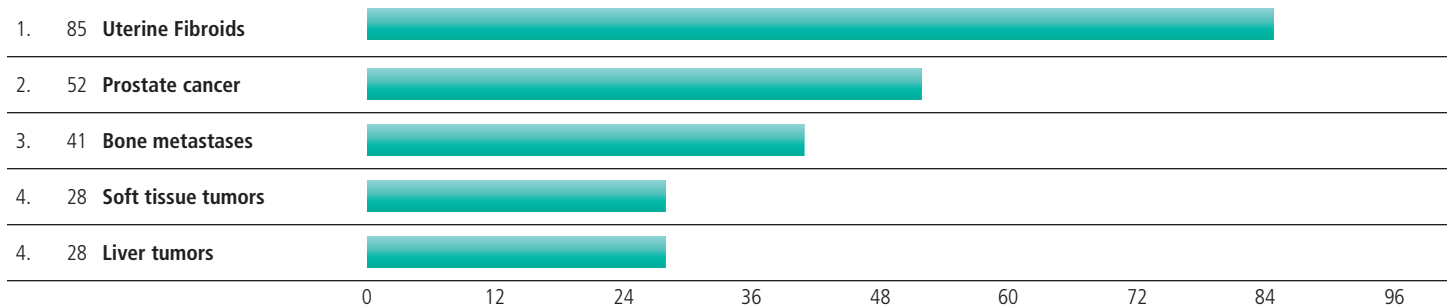
Research Trends

Leading Indications by Number of Sites

Pre-clinical

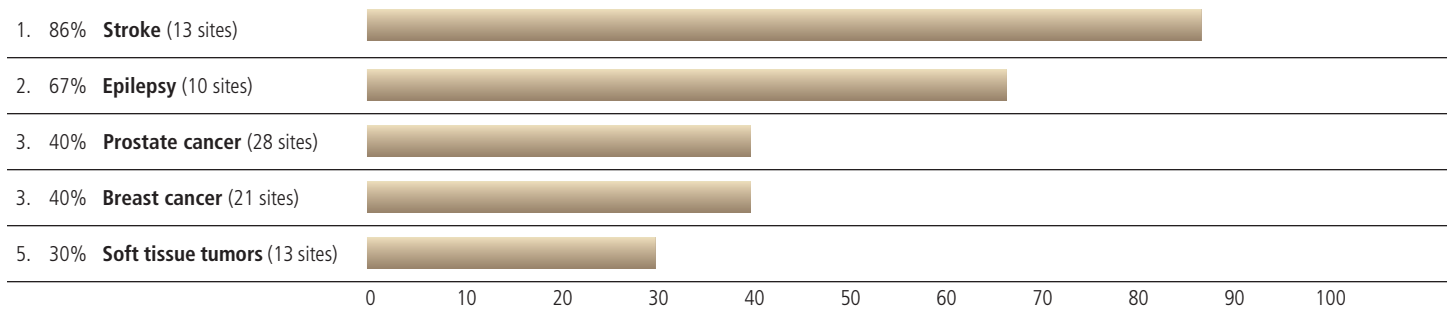


Clinical

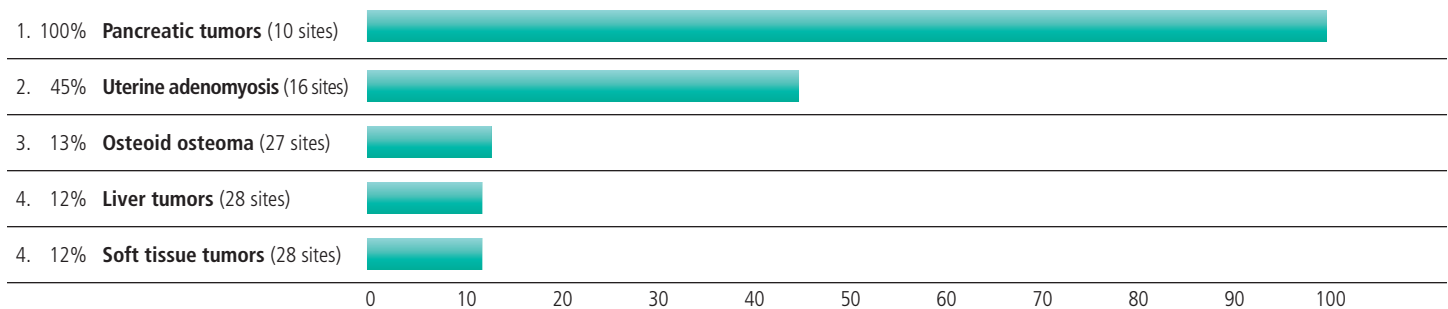


Emerging Research Indications by Number of Sites

Pre-clinical, % change over 1 year ending January 2015 (at least 10 sites)

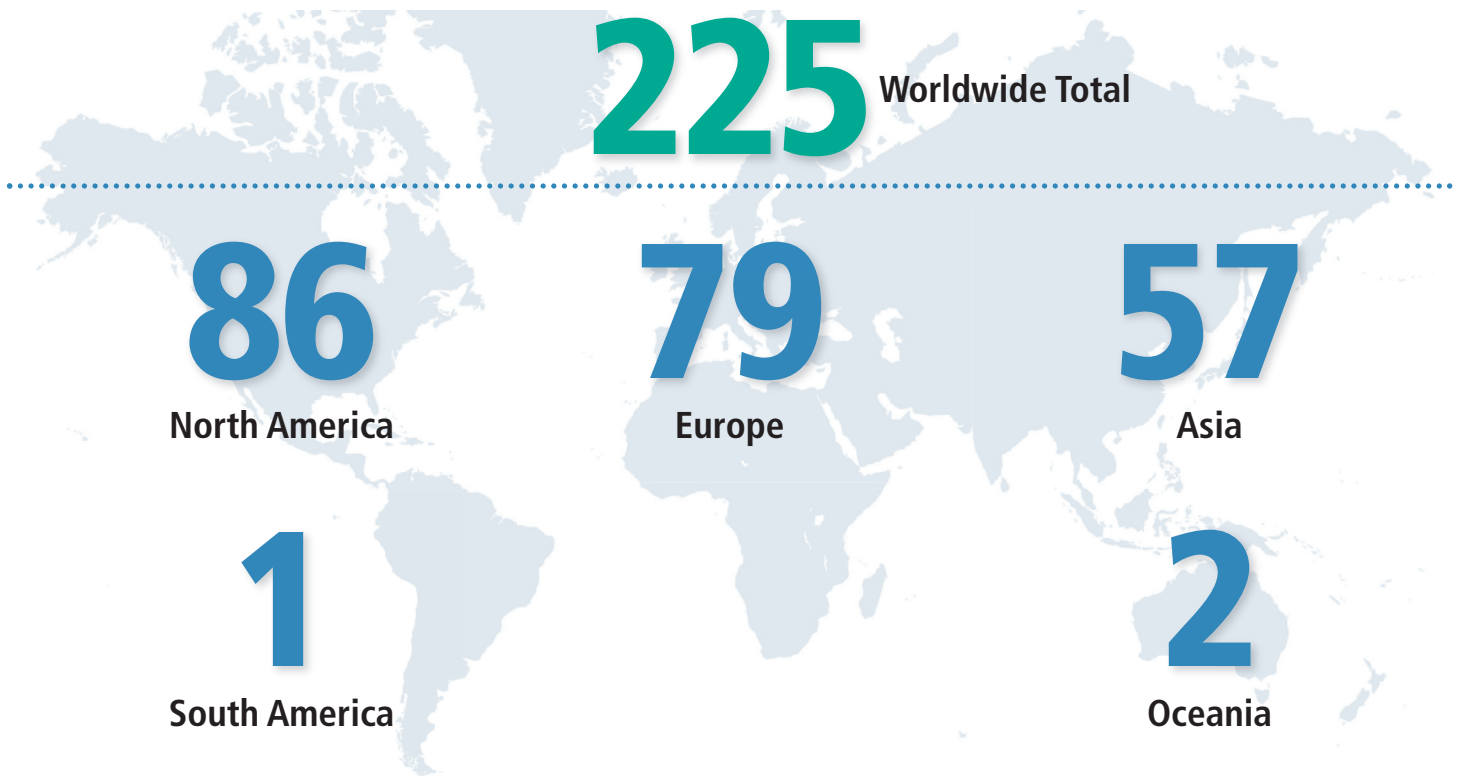


Clinical, % change over 1 year ending January 2015 (at least 10 sites)



Research Sites

All Research Sites by Region



Any FUS research site conducting technical, pre-clinical, or clinical FUS research.

Research Sites

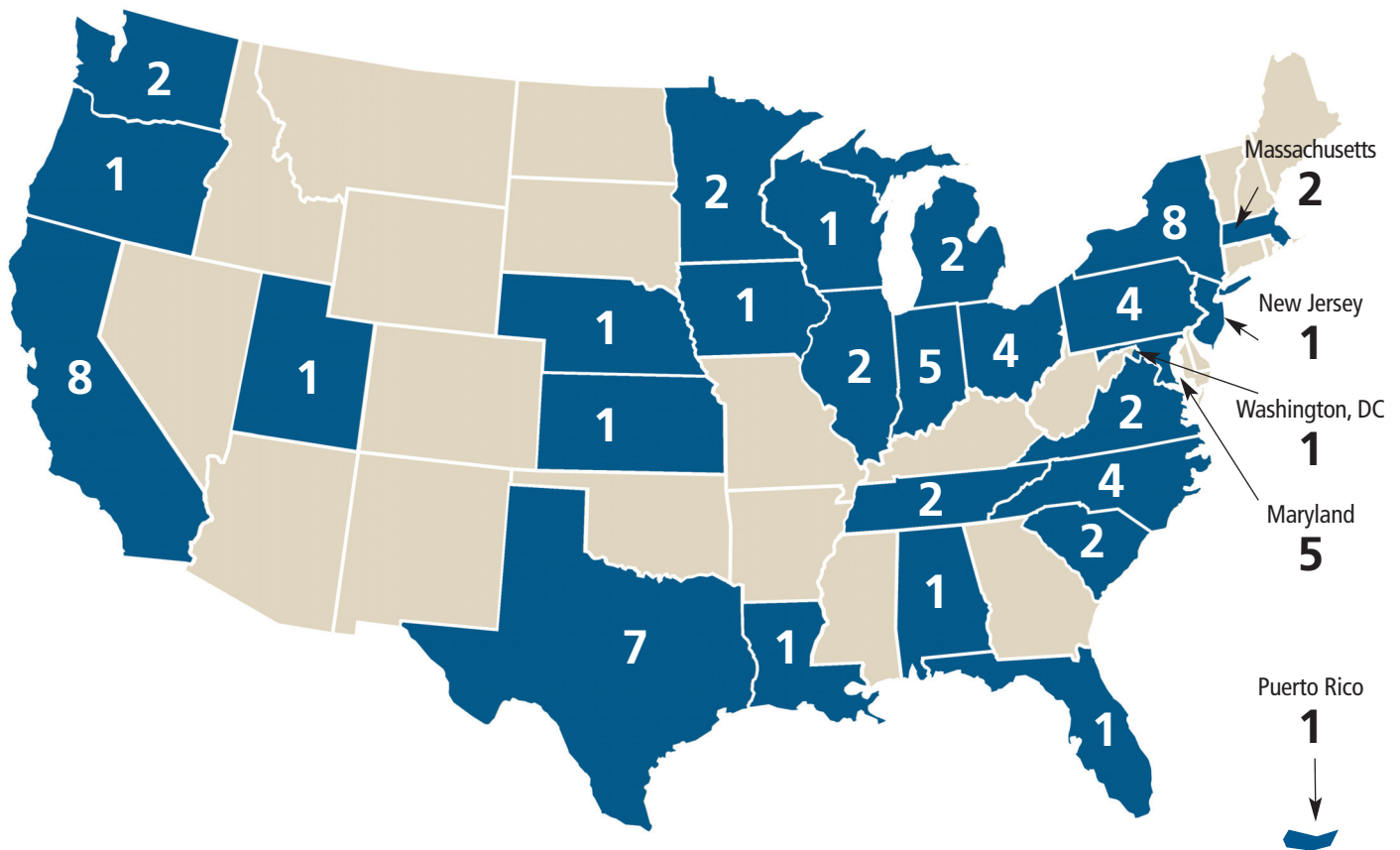
North American and South America

74

United States

28

States + Wash.,DC + PR



86

North America



1

South America



Research Sites

12
Canada

Ontario

Can-AmHIFU
Lawson Health Research Institute
London Health Sciences Centre
Princess Margaret Hospital
Ryerson University
Sunnybrook Health Sciences Centre
The Hospital for Sick Children

Thunder Bay Regional Research Institute
Toronto General Hospital
Toronto Western Hospital
University of Western Ontario

Québec

Jewish General Hospital

74
United States

Alabama

Urology Centers of Alabama

California

BURL Concepts Inc.
UCLA Ronald Reagan Medical Center
Long Beach Eye Care Associates
Stanford University School of Medicine
University of California at Los Angeles
University of California San Diego
University of California San Francisco
University of California, Davis
City of Hope

Washington, DC

Children's National Hospital

Florida

University MRI & Diagnostic Imaging Centers–South

Iowa

Iowa State University

Illinois

University of Illinois at Urbana-Champaign
University of Chicago

Indiana

Metropolitan Urology
Purdue University–West Lafayette
Indiana University Health, University Hospital
Indiana University School of Medicine

Kansas

University of Kansas

Louisiana

Tulane University

Massachusetts

Boston University
Brigham and Women's Hospital

Maryland

Johns Hopkins University School of Medicine
University of Maryland School of Medicine
Walter Reed National Military Medical Center
National Institutes of Health
Food and Drug Administration

Michigan

William Beaumont Health Systems
University of Michigan

Minnesota

Mayo Clinic–Minnesota
University of Minnesota

New Jersey

Artann Laboratories

Nebraska

University of Nebraska Medical Center

Any FUS research site conducting technical, biological effects, pre-clinical, or clinical FUS research.

Research Sites

New York

Montefiore Medical Center
 Roswell Park Cancer Institute
 Winthrop University Hospital
 City College of New York
 Memorial Sloan-Kettering Cancer Center
 New York University
 Columbia University
 NYP-Weill Cornell Medical Center

North Carolina

Wake Forest University Baptist Medical Center
 North Carolina State University
 University of North Carolina
 Duke University

Ohio

Cincinnati Children's Hospital Medical Center
 University Hospitals of Cleveland Case Medical Center
 Cleveland Clinic
 ProMedica Toledo Hospital
 University of Cincinnati

Oregon

Oregon Health and Science University

Pennsylvania

Drexel University
 Urologic Consultants of Southeastern Pennsylvania
 University of Pittsburgh Medical Center
 Fox Chase Cancer Center

Puerto Rico

University of Puerto Rico

South Carolina

Grand Strand Urology
 Medical University of South Carolina

Tennessee

Southeast Urology Network
 Vanderbilt University

Texas

Urology of San Antonio
 University of Texas MD Anderson Cancer Center
 University of Houston
 MD Anderson Cancer Center
 The Methodist Hospital
 CHI St. Luke's Health
 UT Southwestern

Utah

University of Utah

Virginia

Virginia Tech Carilion Research Institute
 University of Virginia

Washington

Swedish Neurosciences Institute
 University of Washington

Wisconsin

University of Wisconsin Carbone Cancer Center

1

South America

Brazil

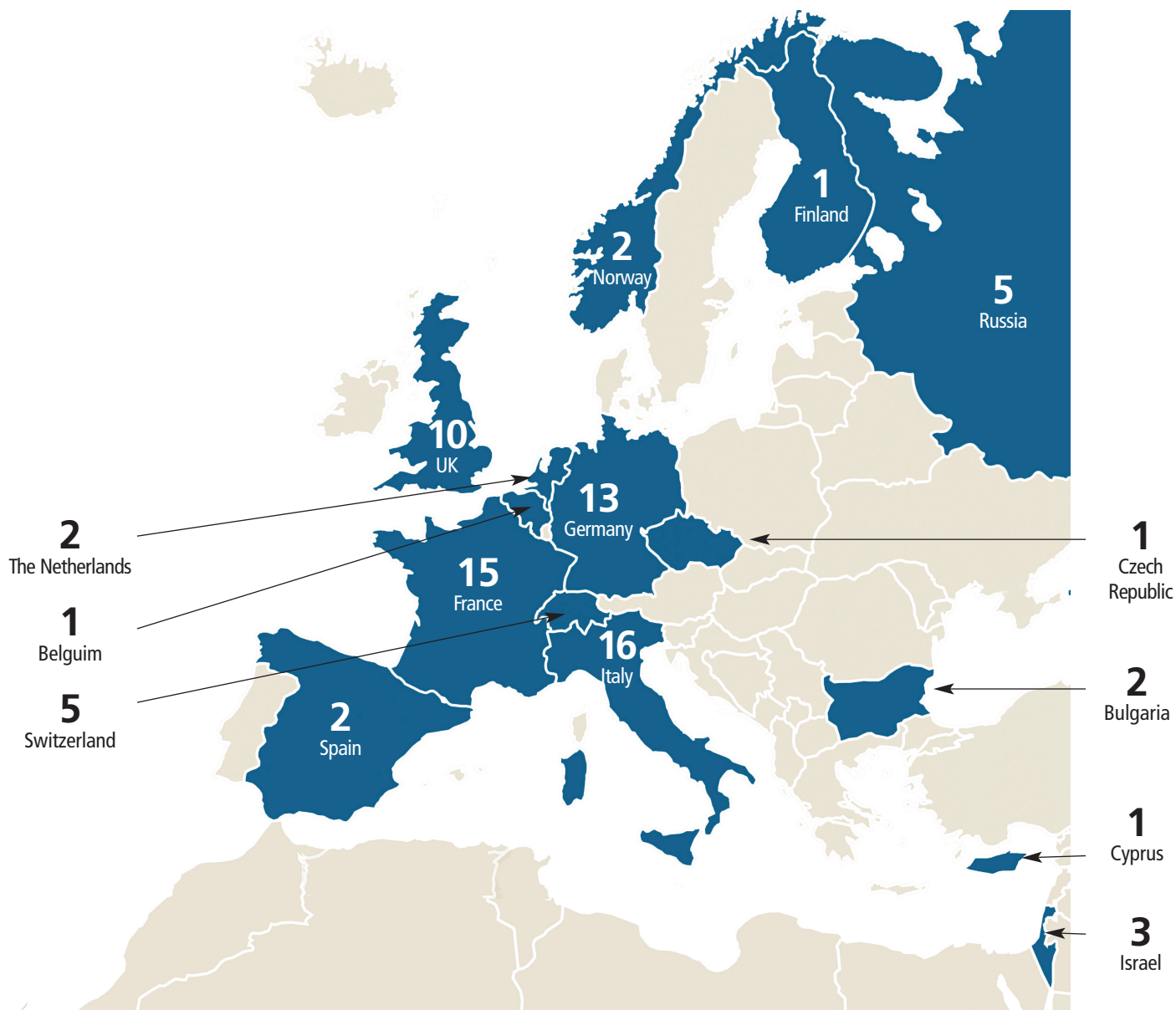
Instituto do Cancer do Estado de Sao Paulo (ICESP)

Any FUS research site conducting technical, biological effects, pre-clinical, or clinical FUS research.

Research Sites

Europe

79
Sites



Research Sites

By Region

79

Europe

Belgium

Institut Jules Bordet

Bulgaria

Pleven Medical University
University Hospital of Endocrinology

Cyprus

Cyprus University of Technology

Czech Republic

Thomayer University Hospital

Finland

VTT Technical Research Centre of Finland

France

Centre Léon Bérard
CHU de Bordeaux - Hôpital du Tondu
CHU de Bordeaux - Hôpital Saint-André
CHU de Lille - Hôpital Huriez
CHU de Toulouse - Hôpital Rangueil
CHU de Tours - Hôpital Bretonneau
Hôpital Cochin
Hôpital Pitié-Salpêtrière
Hospices Civils de Lyon
Inserm Lyon
Institut Gustave Roussy
Institut Mutualiste Montsouris
Institut Langevin
University Hospital of Grenoble
University of Nice Sophia Antipolis

Germany

Amper Klinik
Brustzentrum Marienhospital Bottrop
Charité Universitätsmedizin Berlin
Fraunhofer Institut IBMT
German Cancer Research Center
Klinikum Fürth
SRH Waldklinikum Gera
Universitätsklinikum Tübingen
University Hospital Frankfurt
University Hospital Schleswig-Holstein
University of Heidelberg
University of Munich
Urologische Universitätsklinik Magdeburg

Israel

Chaim Sheba Medical Center
Rambam Medical Center
Technion-Israel Institute of Technology

Italy

Azienda Ospedaliera San Paolo
Careggi General Hospital

Cisanello Hospital of University of Pisa
Clinica oculistica Università-Ospedale oftalmico
European Institute of Oncology
Fondazione ICRCS Ca' Granda Ospedale Maggiore Policlinico
Istituto Ortopedico Rizzoli
Laboratorio di Tecnologie Oncologiche HSR Giglio-
Fondazione Istituto San Raffaele G. Giglio di Cefalù
Niguarda Hospital
Ospedale Generale Regionale "Francis Miulli"
Scuola Superiore Sant'Anna
Università degli Studi di Parma
University of L'Aquila
University of Perugia
University of Rome-La Sapienza
University of Turin

The Netherlands

Eindhoven University of Technology
University Medical Center Utrecht

Norway

Norwegian University of Science and Technology
The Intervention Centre, Oslo University Hospital Rikshospitalet

Russia

Medical Center of Central Bank of Russian Federation
National Medical Surgery Center
N. N. Petrov Research Institute of Oncology
Research Center for Obstetrics, Gynecology and Perinatology
of Russian Ministry of Health and Social Development
Rostov Scientific Research Institute of Oncology

Spain

Hospital Clínico San Carlos
Instituto Cartuja de Técnicas Avanzadas en Medicina

Switzerland

Hôpitaux Universitaires de Genève
Kantonsspital Aarau
Kantonsspital Winterthur
University Children's Hospital Zurich
University of Geneva

United Kingdom

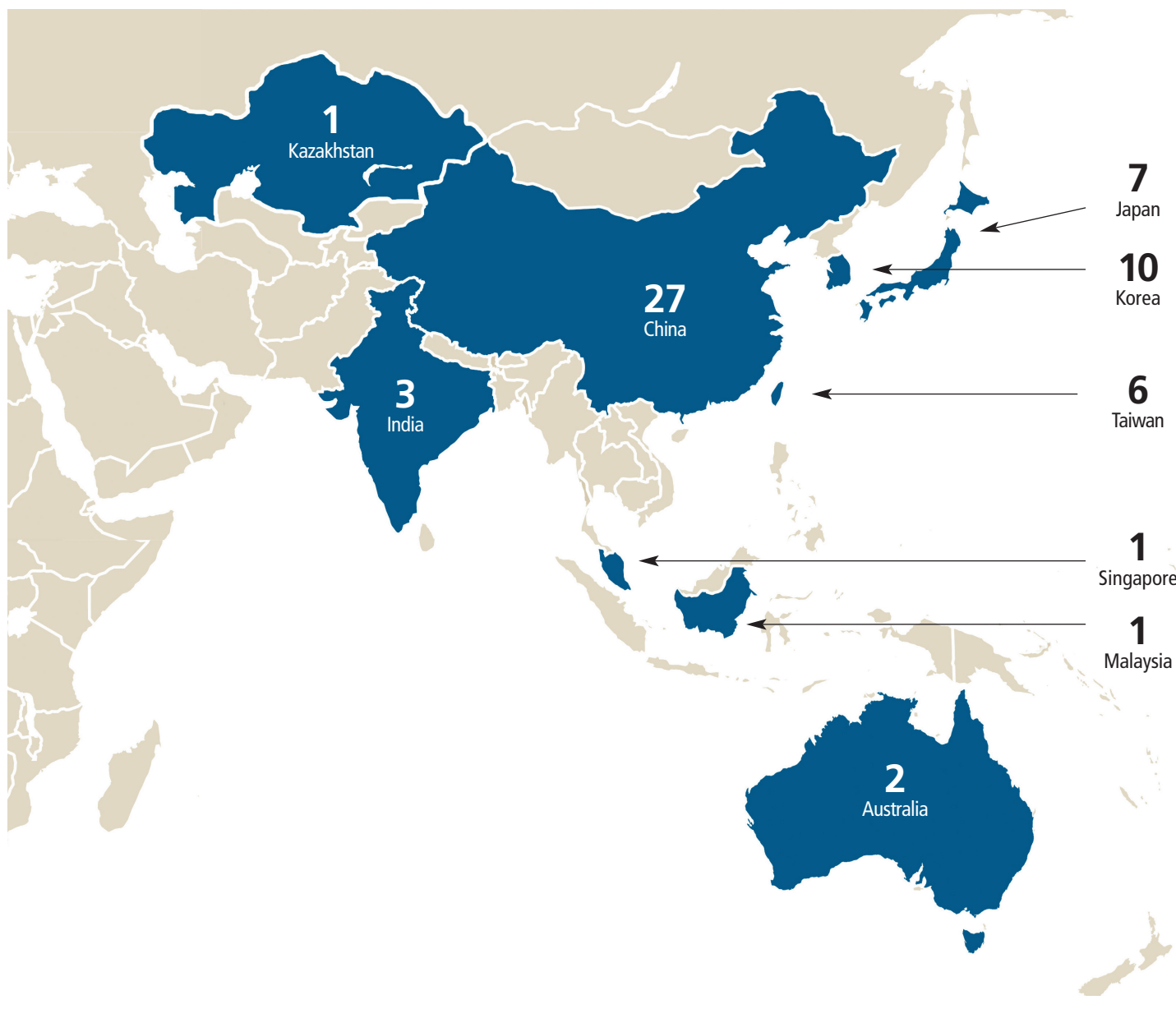
Basingstoke and North Hampshire Hospital
Churchill Hospital
Imperial College London
Institute for Medical Science and Technology (IMSAT)
St. Guy's and St. Thomas Hospital
St. Mary's Hospital
The Institute of Cancer Research
University of Dundee
University of Hull
University of Oxford

Research Sites

Asia and Oceania

57
Sites in Asia

2
Sites in Oceania



Research Sites

By Region

57

Asia

China

307 Hospital of PLA
 Central Hospital of Shanghai Xuhui District
 Children's Hospital of Chongqing Medical University
 Chinese University of Hong Kong
 Chongqing Medical University
 First Affiliated Hospital of Medical College of Xi'an Jiaotong University
 First Affiliated Hospital of Zunyi Medical College
 First Maternal and Child Health Hospital of Shanghai
 Fundan University Huashan Hospital
 Fundan University Shanghai Cancer Center
 HAIFU Hospital
 Institute of Ultrasonic Engineering in Medicine and Clinical Centre for Tumour Therapy
 Peking Union Hospital, Chinese Academy of Medical Sciences
 Peking University First Hospital
 PLA 301 Hospital
 Queen Mary Hospital of the University of Hong Kong
 Shanghai Jiaotong University
 Shenzhen University
 Southern Medical University
 Suining Central Hospital
 The First Affiliated Hospital of Chongqing Medical University
 The Second Artillery General Hospital of Chinese PLA
 The Third Xiangya Hospital of Central South University
 Third Military Medical University
 Tianjin Medical University
 Wuhan University
 Xi'an Jiaotong University

India

Apollo Specialty Hospital, Chennai
 Gsl Medical College
 Jaslok Hospital and Research Centre

Japan

Breastopia Namba Hospital
 Kochi University Hospital
 Shinsuma General Hospital
 Tokai University
 Tokyo Medical University
 Tokyo Women's Medical Hospital
 Washokai Sadamoto Hospital

Kazakhstan

National Medical Research Center

Korea

Asan Medical Center
 CHA Bundang Medical Center
 Chaum Hospital
 Jeju National University
 Korea Institute of Science and Technology
 Samsung Medical Center
 Seoul National University Hospital
 The Catholic University of Korea
 YUMC Gangnam Severance Hospital
 YUMC Severance Hospital

Malaysia

University of Malaya

Singapore

Nanyang Technological University

Taiwan

Chang Gung University
 National Chiao Tung University
 National Health Research Institutes
 National Taiwan University
 National Tsing Hua University
 Taipei Medical University Hospital

2

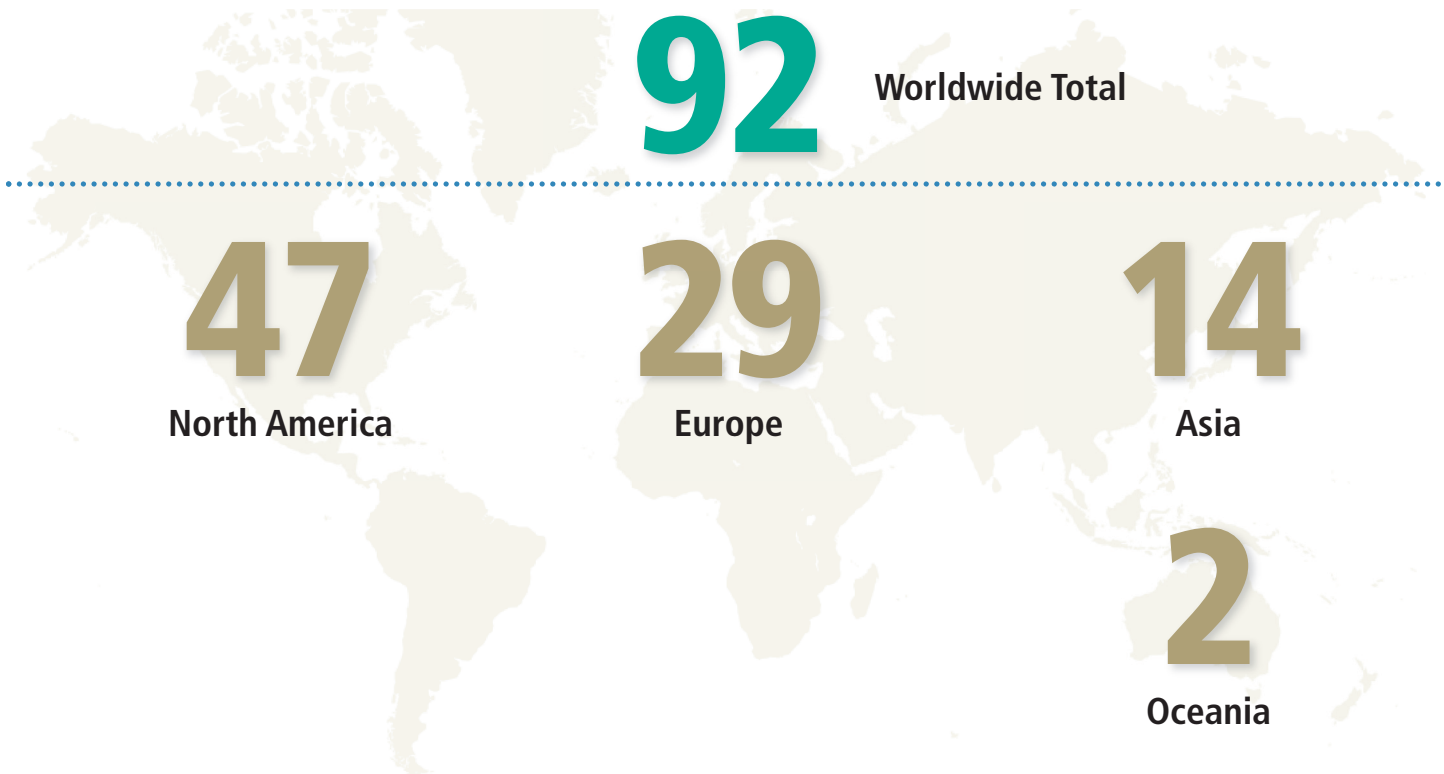
Oceania

Australia

Future Medical Imaging Group
 Royal Women's Hospital Melbourne

Pre-Clinical

Research Sites



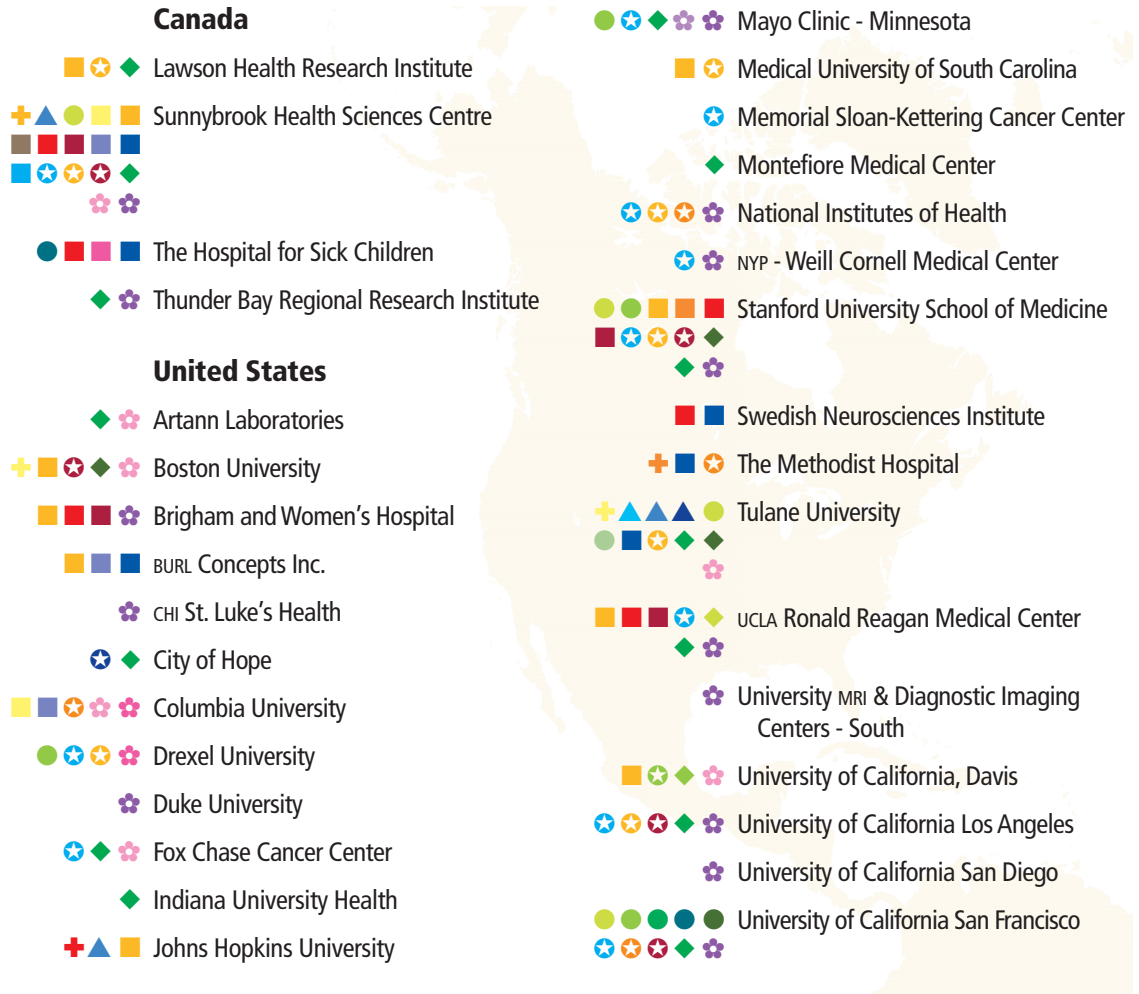
Any FUS research site conducting animal research.

Pre-Clinical

Sites by Region

47

North America

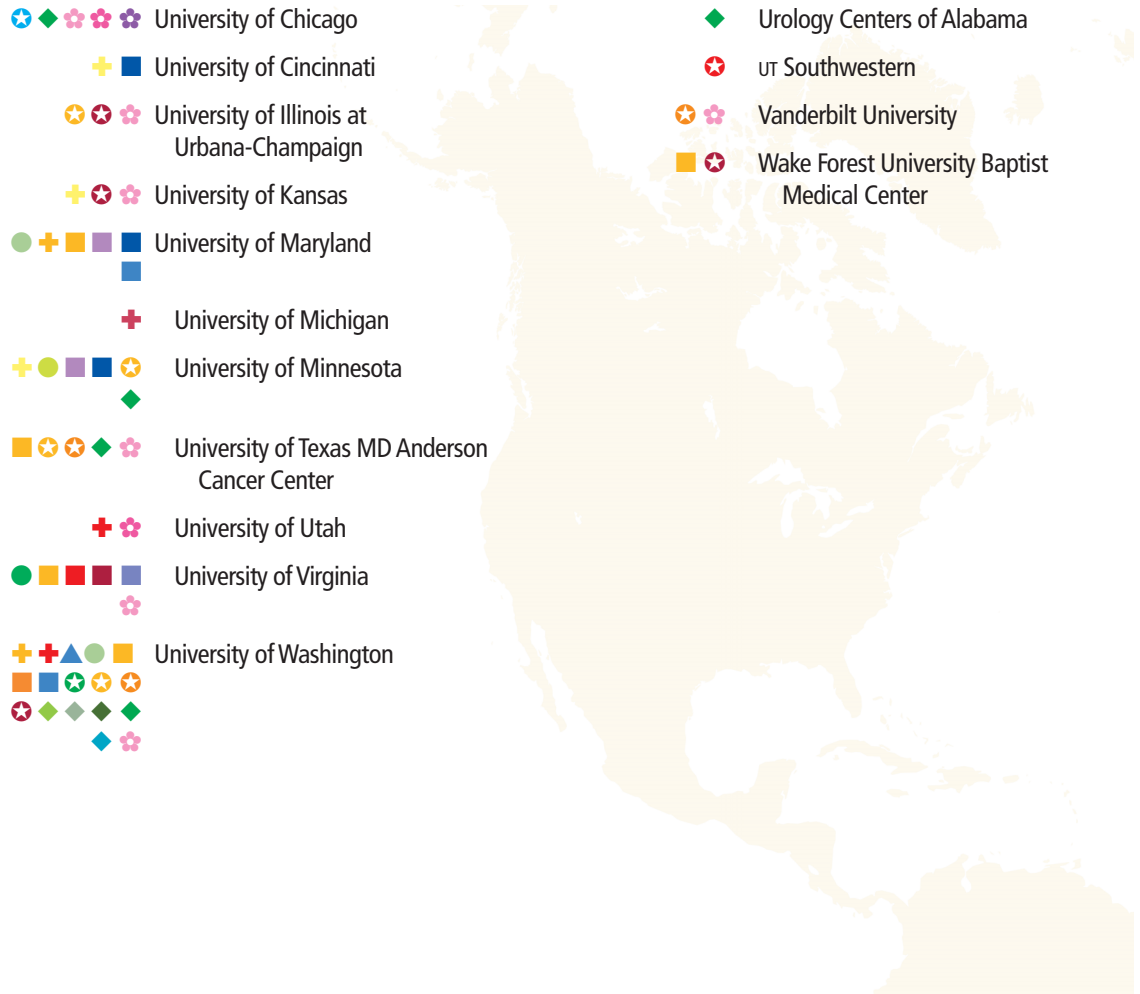


<p>Cardiovascular</p> <ul style="list-style-type: none"> Atherosclerosis Atrial fibrillation Deep vein thrombosis Hypertension Septal perforation <p>Endocrine Disorders</p> <ul style="list-style-type: none"> Diabetes* Obesity Thyroid and parathyroid tumors Thyroid nodules 	<p>Miscellaneous</p> <ul style="list-style-type: none"> Glaucoma* <p>Musculoskeletal</p> <ul style="list-style-type: none"> Back and neck pain Bone cancer Osteoarthritis Osteoid osteoma Spinal cord injury Spinal tumors 	<p>Neurological</p> <ul style="list-style-type: none"> Alzheimer's disease Brain tumors Cancer pain Depression Epilepsy Essential tremor Hydrocephalus Neuropathic pain Parkinson's disease Stroke Traumatic brain injury Trigeminal neuralgia 	<p>Oncological</p> <ul style="list-style-type: none"> Bone metastases Colon cancer Esophageal cancer Head & Neck Cancer Liver tumors Lung cancer* Pancreatic tumors Pediatric oncology Soft tissue tumors 	<p>Urological</p> <ul style="list-style-type: none"> Benign prostatic hyperplasia Bladder tumors Kidney stones Kidney tumors Prostate cancer Ureterocele <p>Women's Health</p> <ul style="list-style-type: none"> Breast cancer Breast fibroadenoma Uterine adenomyosis Uterine fibroids
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* Not in this region

Any FUS research site conducting animal research.

Pre-Clinical



- | | | | | |
|---|---|--|--|--|
| <p>Cardiovascular</p> <ul style="list-style-type: none"> Yellow plus: Atherosclerosis Orange plus: Atrial fibrillation Red plus: Deep vein thrombosis Red plus: Hypertension Red plus: Septal perforation <p>Endocrine Disorders</p> <ul style="list-style-type: none"> Light blue triangle: Diabetes* Blue triangle: Obesity Blue triangle: Thyroid and parathyroid tumors Blue triangle: Thyroid nodules | <p>Miscellaneous</p> <ul style="list-style-type: none"> Black X: Glaucoma* <p>Musculoskeletal</p> <ul style="list-style-type: none"> Yellow circle: Back and neck pain Green circle: Bone cancer Green circle: Osteoarthritis Blue circle: Osteoid osteoma Light green circle: Spinal cord injury Dark green circle: Spinal tumors | <p>Neurological</p> <ul style="list-style-type: none"> Yellow square: Alzheimer's disease Orange square: Brain tumors Orange square: Cancer pain Red square: Epilepsy Red square: Essential tremor Pink square: Hydrocephalus Purple square: Neuropathic pain Blue square: Parkinson's disease Blue square: Stroke Blue square: Traumatic brain injury Light blue square: Trigeminal neuralgia | <p>Oncological</p> <ul style="list-style-type: none"> Blue star: Bone metastases Blue star: Colon cancer Green star: Esophageal cancer Light green star: Head & Neck Cancer Yellow star: Liver tumors Orange star: Lung cancer* Orange star: Pancreatic tumors Red star: Pediatric oncology Red star: Soft tissue tumors | <p>Urological</p> <ul style="list-style-type: none"> Green diamond: Benign prostatic hyperplasia Light green diamond: Bladder tumors Light green diamond: Kidney stones Dark green diamond: Kidney tumors Green diamond: Prostate cancer Blue diamond: Ureterocele <p>Women's Health</p> <ul style="list-style-type: none"> Pink star: Breast cancer Pink star: Breast fibroadenoma Purple star: Uterine adenomyosis Purple star: Uterine fibroids <p>* Not in this region</p> |
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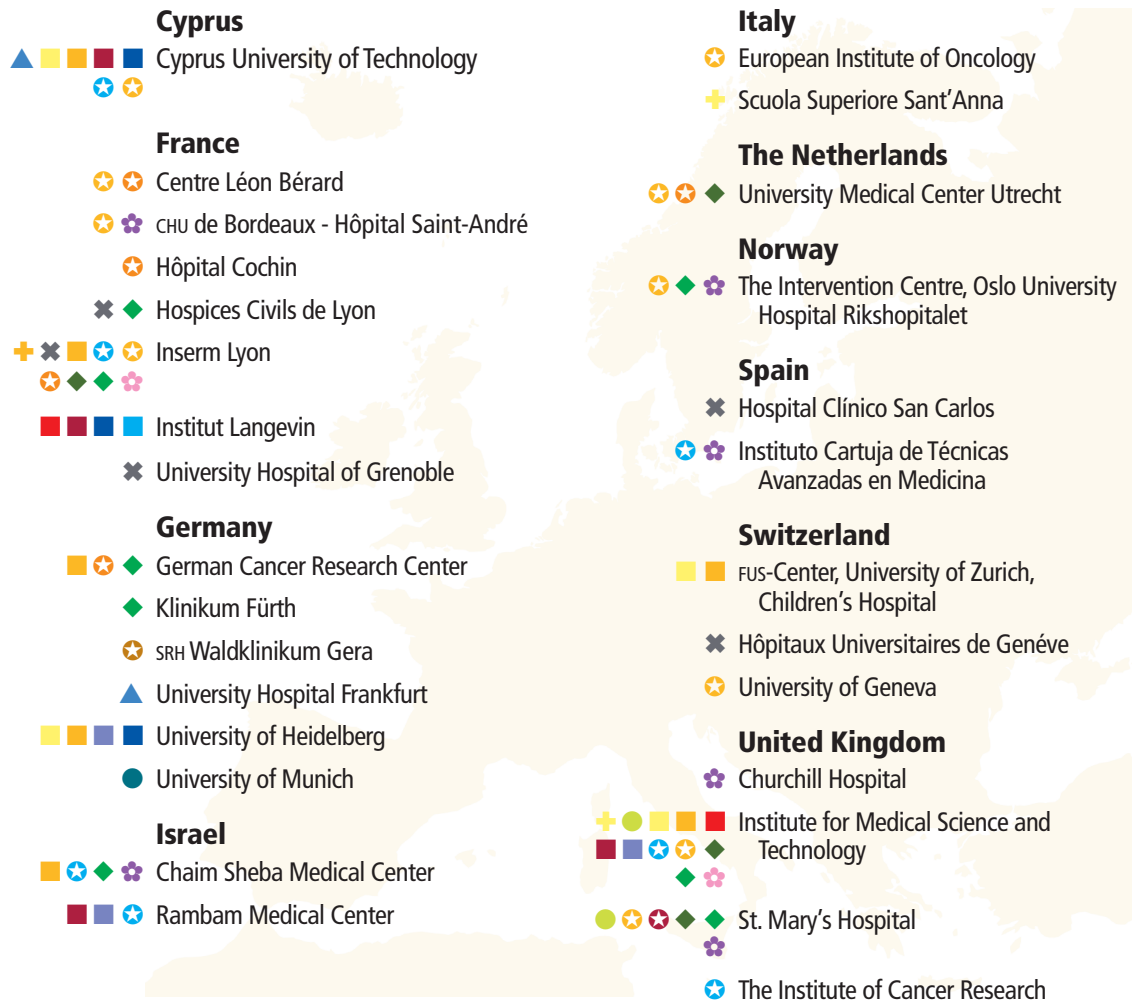
Any FUS research site conducting animal research.

Pre-Clinical

Pre-clinical Research Sites by Region

29

Europe



- | | | | | |
|--|--|---|--|--|
| <p>Cardiovascular</p> <ul style="list-style-type: none"> + Atherosclerosis + Atrial fibrillation + Deep vein thrombosis* + Hypertension* + Septal perforation* <p>Endocrine Disorders</p> <ul style="list-style-type: none"> ▲ Diabetes* ▲ Obesity* ▲ Thyroid and parathyroid tumors ▲ Thyroid nodules* | <p>Miscellaneous</p> <ul style="list-style-type: none"> ✕ Glaucoma <p>Musculoskeletal</p> <ul style="list-style-type: none"> ● Back and neck pain ● Bone cancer* ● Osteoarthritis* ● Osteoid osteoma ● Spinal cord injury* ● Spinal tumors* | <p>Neurological</p> <ul style="list-style-type: none"> ■ Alzheimer's disease ■ Brain tumors ■ Cancer pain* ■ Depression* ■ Epilepsy ■ Essential tremor ■ Hydrocephalus* ■ Neuropathic pain* ■ Parkinson's disease* ■ Stroke ■ Traumatic brain injury* ■ Trigeminal neuralgia | <p>Oncological</p> <ul style="list-style-type: none"> ★ Bone metastases ★ Colon cancer* ★ Esophageal cancer* ★ Head & Neck Cancer* ★ Liver tumors ★ Lung cancer ★ Pancreatic tumors ★ Pediatric oncology* ★ Soft tissue tumors | <p>Urological</p> <ul style="list-style-type: none"> ◆ Benign prostatic hyperplasia* ◆ Bladder tumors* ◆ Kidney stones* ◆ Kidney tumors ◆ Prostate cancer ◆ Ureterocele* <p>Women's Health</p> <ul style="list-style-type: none"> ☆ Breast cancer ☆ Breast fibroadenoma* ☆ Uterine adenomyosis* ☆ Uterine fibroids <p>* Not in this region</p> |
|--|--|---|--|--|

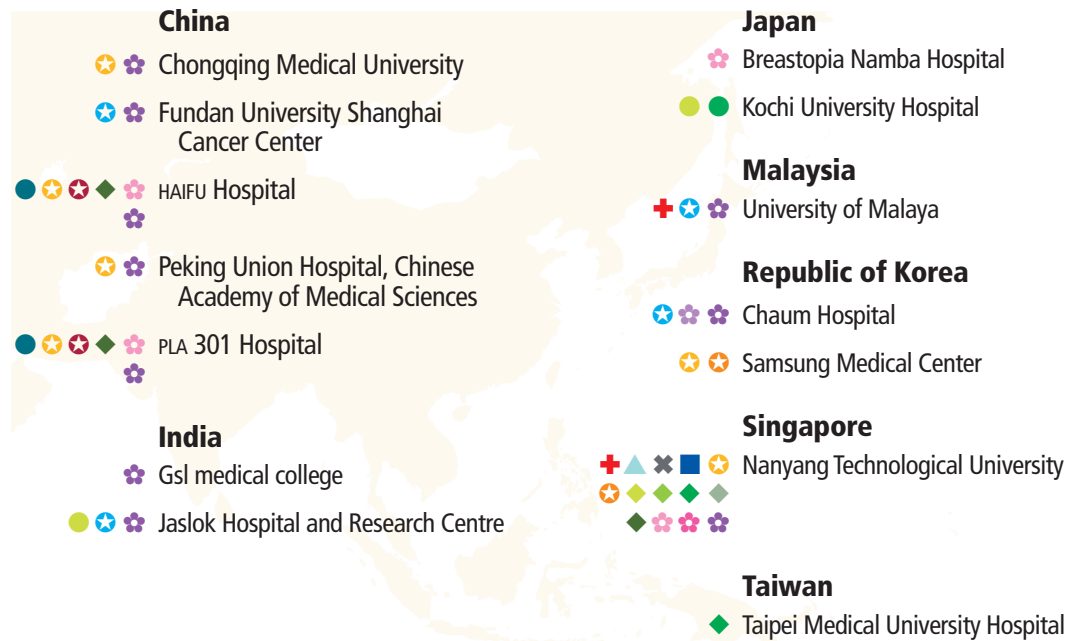
Any FUS research site conducting animal research.

Pre-Clinical

Pre-clinical Research Sites by Region

14

Asia



2

Oceania



Cardiovascular

- ★ Atherosclerosis*
- ★ Atrial fibrillation*
- ★ Deep vein thrombosis*
- ★ Hypertension
- ★ Septal perforation*

Endocrine Disorders

- ▲ Diabetes
- ▲ Obesity*
- ▲ Thyroid and parathyroid tumors*
- ▲ Thyroid nodules*

Miscellaneous

- ✕ Glaucoma
- ### Musculoskeletal
- Back and neck pain
 - Bone cancer*
 - Osteoarthritis
 - Osteoid osteoma
 - Spinal cord injury*
 - Spinal tumors*

Neurological

- Alzheimer's disease*
- Brain tumors*
- Cancer pain*
- Depression*
- Epilepsy*
- Essential tremor*
- Hydrocephalus*
- Neuropathic pain*
- Parkinson's disease*
- Stroke
- Traumatic brain injury*
- Trigeminal neuralgia*

Oncological

- ★ Bone metastases
- ★ Colon cancer*
- ★ Esophageal cancer*
- ★ Head & Neck Cancer*
- ★ Liver tumors
- ★ Lung cancer*
- ★ Pancreatic tumors
- ★ Pediatric oncology*
- ★ Soft tissue tumors

Urological

- ◆ Benign prostatic hyperplasia
- ◆ Bladder tumors
- ◆ Kidney stones
- ◆ Kidney tumors
- ◆ Prostate cancer
- ◆ Ureterocele*

Women's Health

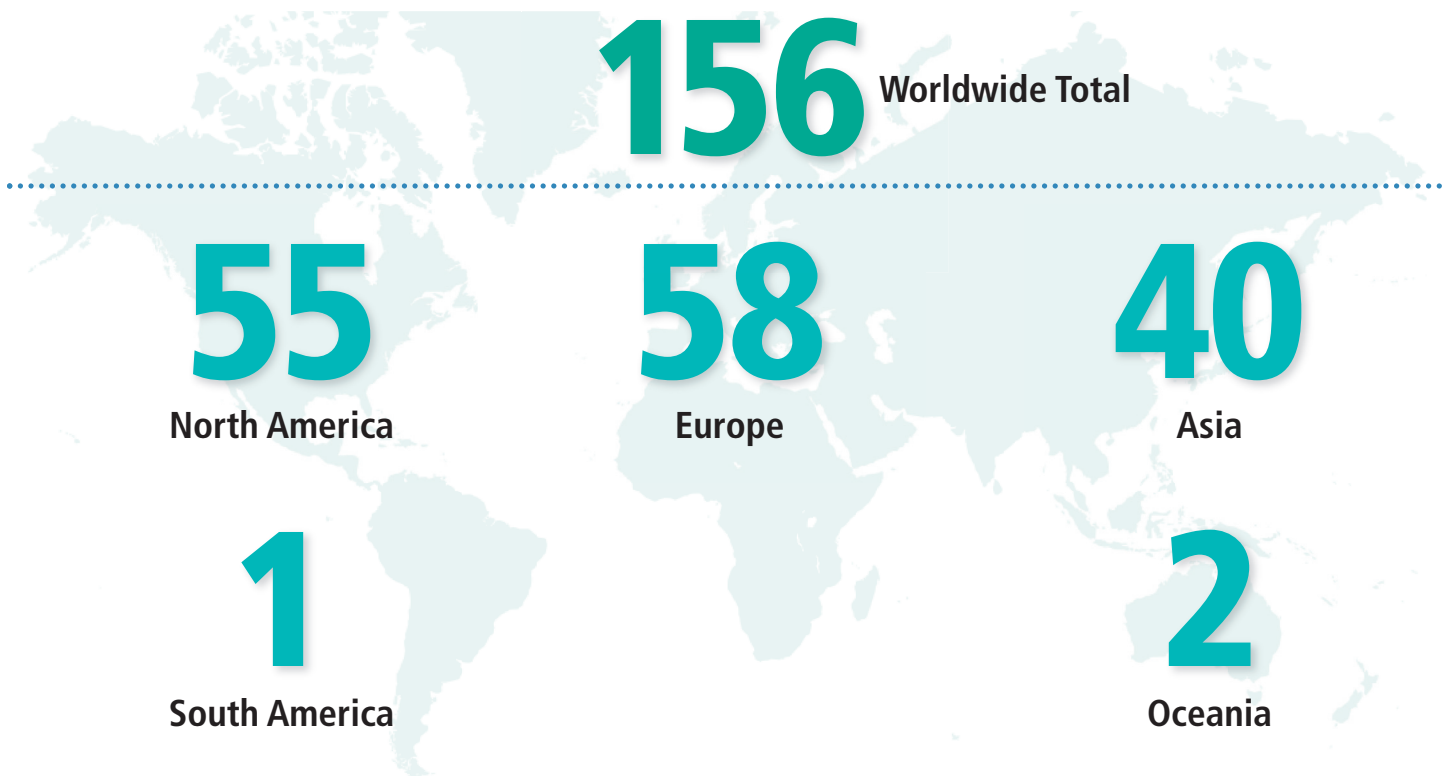
- ☆ Breast cancer
- ☆ Breast fibroadenoma
- ☆ Uterine adenomyosis
- ☆ Uterine fibroids

* Not in this region

Any FUS research site conducting animal research.

Clinical

Clinical Research Sites by Region



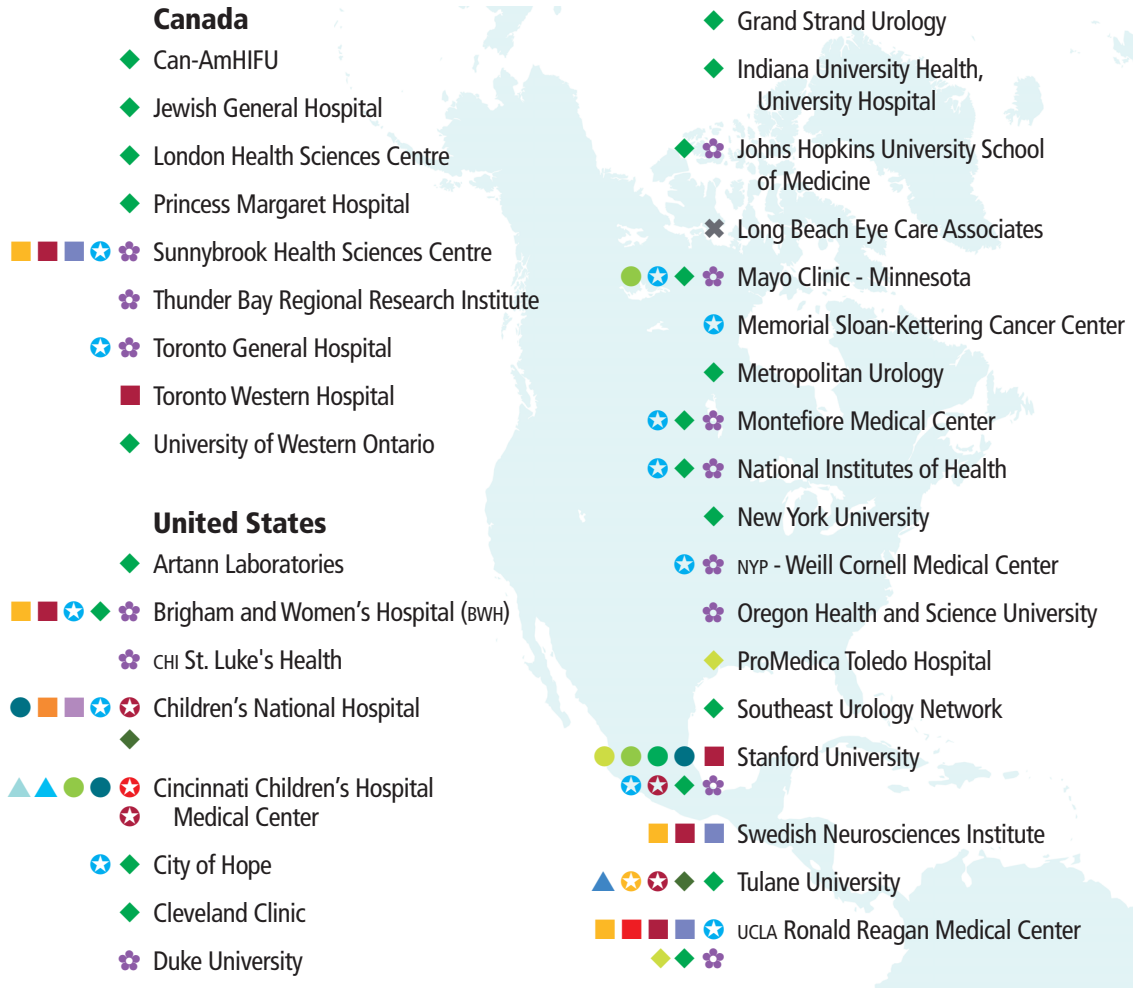
Any FUS research site treating patients as part of a clinical study.

Clinical

Clinical Research Sites by Region

55

North America

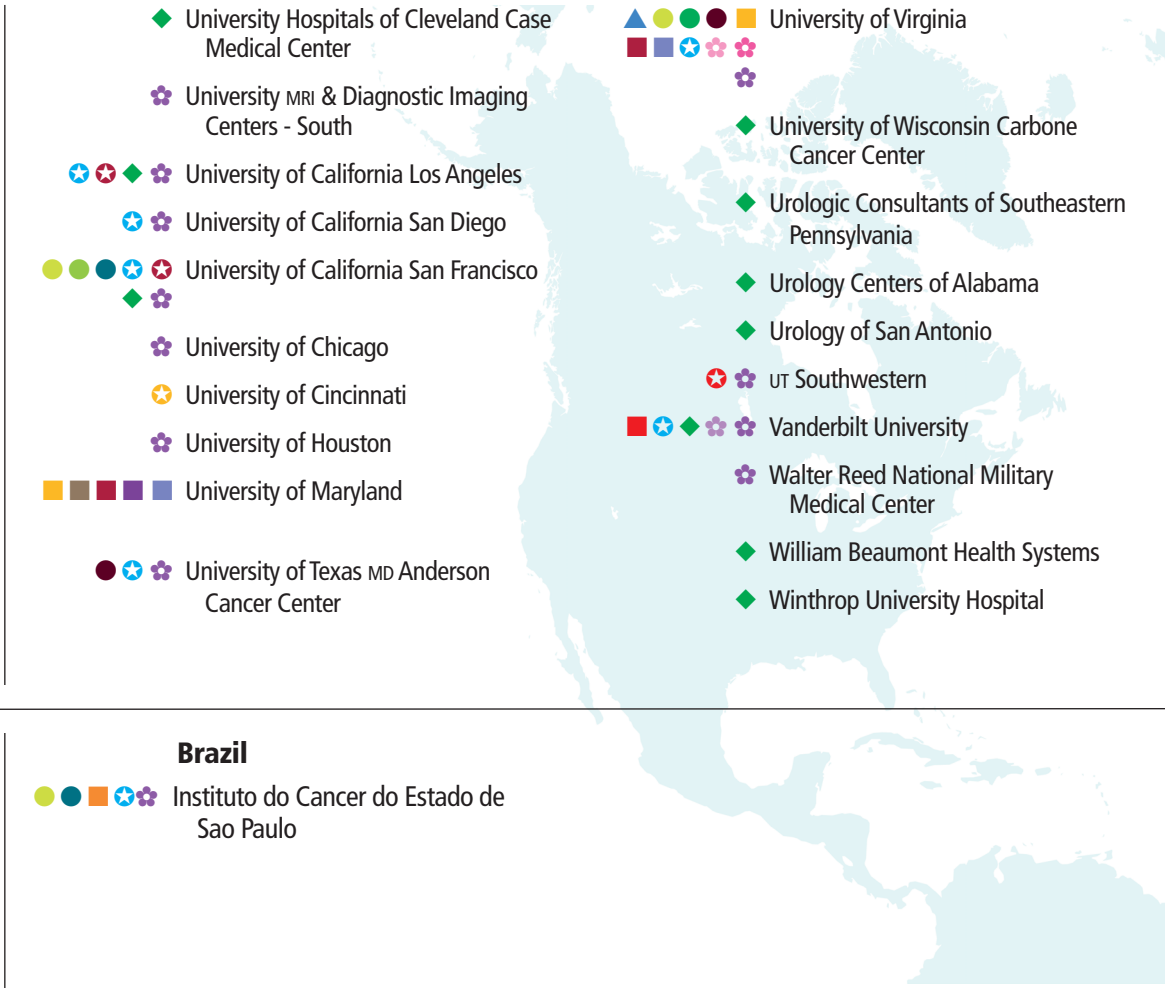


<p>Cardiovascular</p> <ul style="list-style-type: none"> ✚ Hypertension* <p>Endocrine Disorders</p> <ul style="list-style-type: none"> ▲ Diabetes ▲ Obesity ▲ Thyroid and parathyroid tumors ▲ Thyroid nodules* 	<p>Miscellaneous</p> <ul style="list-style-type: none"> ✕ Glaucoma ✕ Hypersplenism* <p>Musculoskeletal</p> <ul style="list-style-type: none"> ● Back and neck pain ● Bone cancer ● Osteoarthritis ● Osteoid osteoma ● Sacroiliitis 	<p>Neurological</p> <ul style="list-style-type: none"> ■ Brain tumors ■ Cancer pain ■ Depression ■ Epilepsy ■ Essential tremor ■ Neuropathic pain ■ Obsessive-compulsive disorder ■ Parkinson's disease ■ Stroke* ■ Trigeminal neuralgia* 	<p>Oncological</p> <ul style="list-style-type: none"> ☆ Bone metastases ☆ Colon cancer* ☆ Liver tumors ☆ Pancreatic tumors* ☆ Pediatric oncology ☆ Soft tissue tumors 	<p>Urological</p> <ul style="list-style-type: none"> ◆ Benign prostatic hyperplasia ◆ Kidney stones* ◆ Kidney tumors ◆ Prostate cancer <p>Women's Health</p> <ul style="list-style-type: none"> ☆ Breast cancer* ☆ Breast fibroadenoma ☆ Uterine adenomyosis ☆ Uterine fibroids <p>* Not in this region</p>
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Any FUS research site treating patients as part of a clinical study.

Clinical

Clinical Research Sites by Region



1

South America

- | | | | | |
|--|---|--|--|---|
| <p>Cardiovascular</p> <ul style="list-style-type: none"> + Hypertension* <p>Endocrine Disorders</p> <ul style="list-style-type: none"> ▲ Diabetes ▲ Obesity ▲ Thyroid and parathyroid tumors ▲ Thyroid nodules* | <p>Miscellaneous</p> <ul style="list-style-type: none"> ✕ Glaucoma ✕ Hypersplenism* <p>Musculoskeletal</p> <ul style="list-style-type: none"> ● Back and neck pain ● Bone cancer ● Osteoarthritis ● Osteoid osteoma ● Sacroiliitis | <p>Neurological</p> <ul style="list-style-type: none"> ■ Brain tumors ■ Cancer pain ■ Depression ■ Epilepsy ■ Essential tremor ■ Neuropathic pain ■ Obsessive-compulsive disorder ■ Parkinson's disease ■ Stroke* ■ Trigeminal neuralgia* | <p>Oncological</p> <ul style="list-style-type: none"> ★ Bone metastases ★ Colon cancer* ★ Liver tumors ★ Pancreatic tumors* ★ Pediatric oncology ★ Soft tissue tumors | <p>Urological</p> <ul style="list-style-type: none"> ◆ Benign prostatic hyperplasia ◆ Kidney stones* ◆ Kidney tumors ◆ Prostate cancer <p>Women's Health</p> <ul style="list-style-type: none"> ✿ Breast cancer* ✿ Breast fibroadenoma ✿ Uterine adenomyosis ✿ Uterine fibroids <p>* Not in this region</p> |
|--|---|--|--|---|

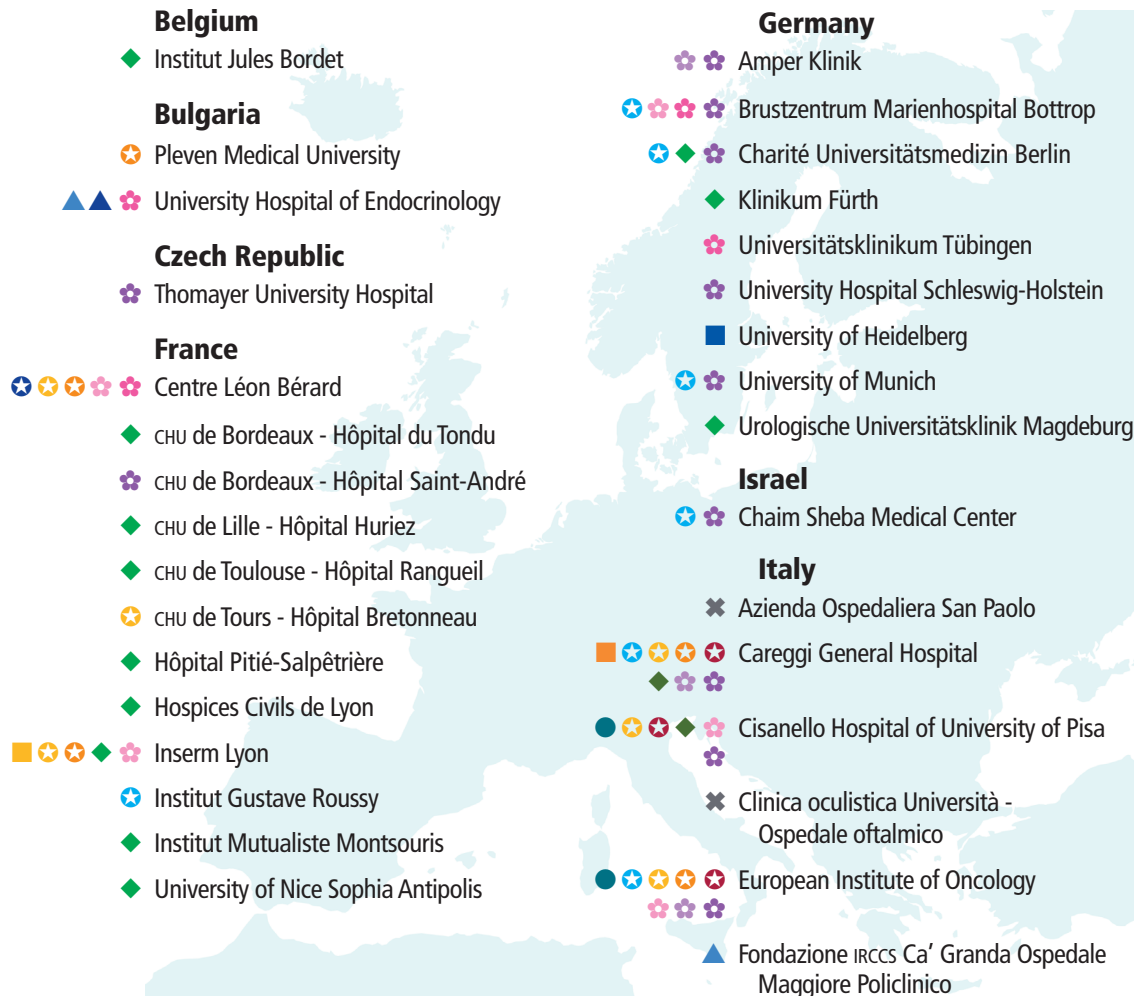
Any FUS research site treating patients as part of a clinical study.

Clinical

Clinical Research Sites by Region

58

Europe

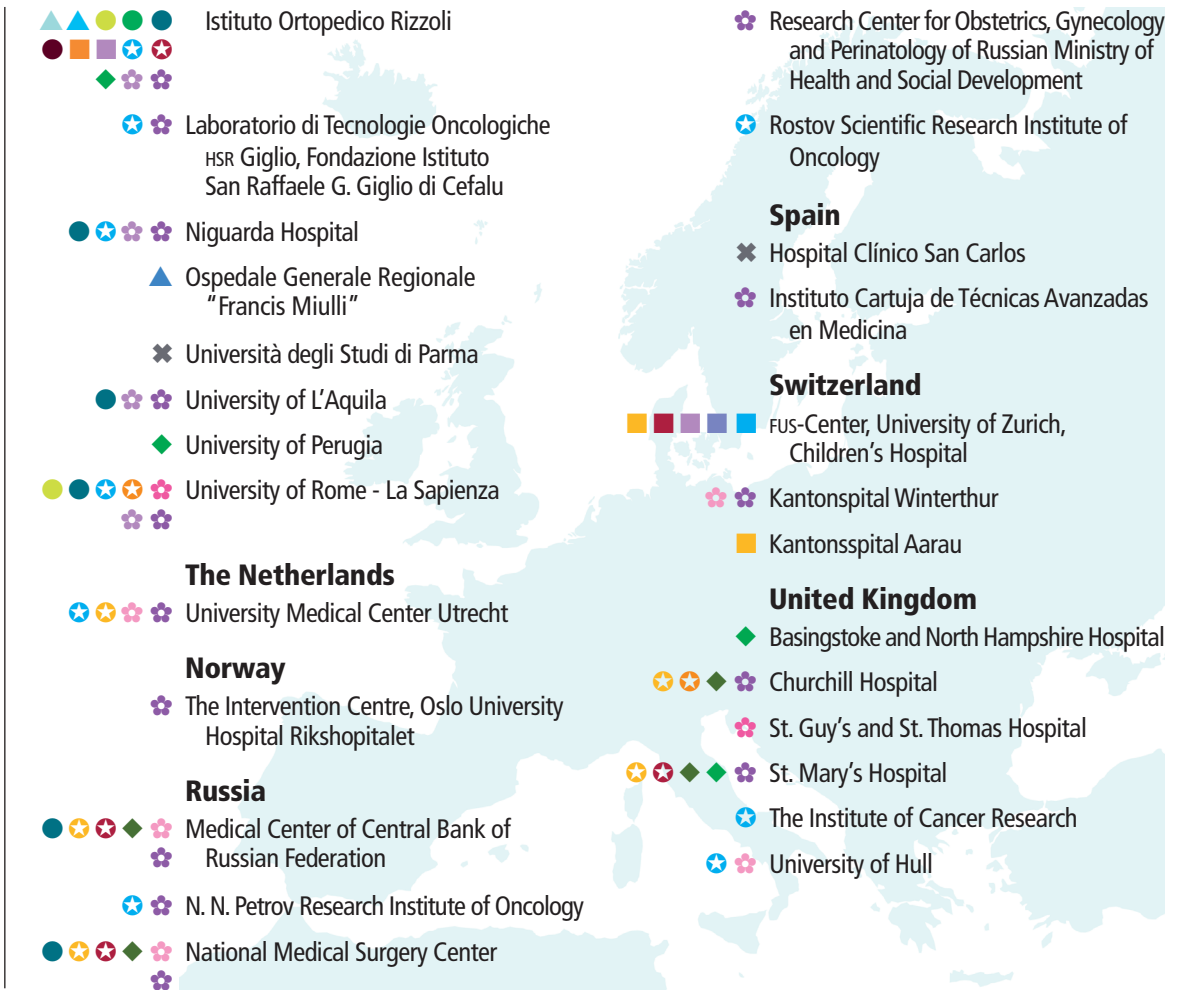


<p>Cardiovascular</p> <ul style="list-style-type: none"> ✚ Hypertension* <p>Endocrine Disorders</p> <ul style="list-style-type: none"> ▲ Diabetes ▲ Obesity ▲ Thyroid and parathyroid tumors ▲ Thyroid nodules 	<p>Miscellaneous</p> <ul style="list-style-type: none"> ✕ Glaucoma ✕ Hypersplenism* <p>Musculoskeletal</p> <ul style="list-style-type: none"> ● Back and neck pain ● Bone cancer* ● Osteoarthritis ● Osteoid osteoma ● Sacroiliitis 	<p>Neurological</p> <ul style="list-style-type: none"> ■ Brain tumors ■ Cancer pain ■ Depression* ■ Epilepsy* ■ Essential tremor ■ Neuropathic pain ■ Obsessive-compulsive disorder* ■ Parkinson's disease ■ Stroke ■ Trigeminal neuralgia 	<p>Oncological</p> <ul style="list-style-type: none"> ★ Bone metastases ★ Colon cancer ★ Liver tumors ★ Pancreatic tumors ★ Pediatric oncology* ★ Soft tissue tumors 	<p>Urological</p> <ul style="list-style-type: none"> ◆ Benign prostatic hyperplasia* ◆ Kidney stones* ◆ Kidney tumors ◆ Prostate cancer <p>Women's Health</p> <ul style="list-style-type: none"> ✿ Breast cancer ✿ Breast fibroadenoma ✿ Uterine adenomyosis ✿ Uterine fibroids <p>* Not in this region</p>
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Any FUS research site treating patients as part of a clinical study.

Clinical

Clinical Research Sites by Region



<p>Cardiovascular</p> <ul style="list-style-type: none"> + Hypertension* <p>Endocrine Disorders</p> <ul style="list-style-type: none"> ▲ Diabetes ▲ Obesity ▲ Thyroid and parathyroid tumors ▲ Thyroid nodules 	<p>Miscellaneous</p> <ul style="list-style-type: none"> ✕ Glaucoma ✕ Hypersplenism* <p>Musculoskeletal</p> <ul style="list-style-type: none"> ● Back and neck pain ● Bone cancer* ● Osteoarthritis ● Osteoid osteoma ● Sacroiliitis 	<p>Neurological</p> <ul style="list-style-type: none"> ■ Brain tumors ■ Cancer pain ■ Depression* ■ Epilepsy* ■ Essential tremor ■ Neuropathic pain ■ Obsessive-compulsive disorder* ■ Parkinson's disease ■ Stroke ■ Trigeminal neuralgia 	<p>Oncological</p> <ul style="list-style-type: none"> ★ Bone metastases ★ Colon cancer ★ Liver tumors ★ Pancreatic tumors ★ Pediatric oncology* ★ Soft tissue tumors 	<p>Urological</p> <ul style="list-style-type: none"> ◆ Benign prostatic hyperplasia* ◆ Kidney stones* ◆ Kidney tumors ◆ Prostate cancer <p>Women's Health</p> <ul style="list-style-type: none"> ✿ Breast cancer ✿ Breast fibroadenoma ✿ Uterine adenomyosis ✿ Uterine fibroids <p>* Not in this region</p>
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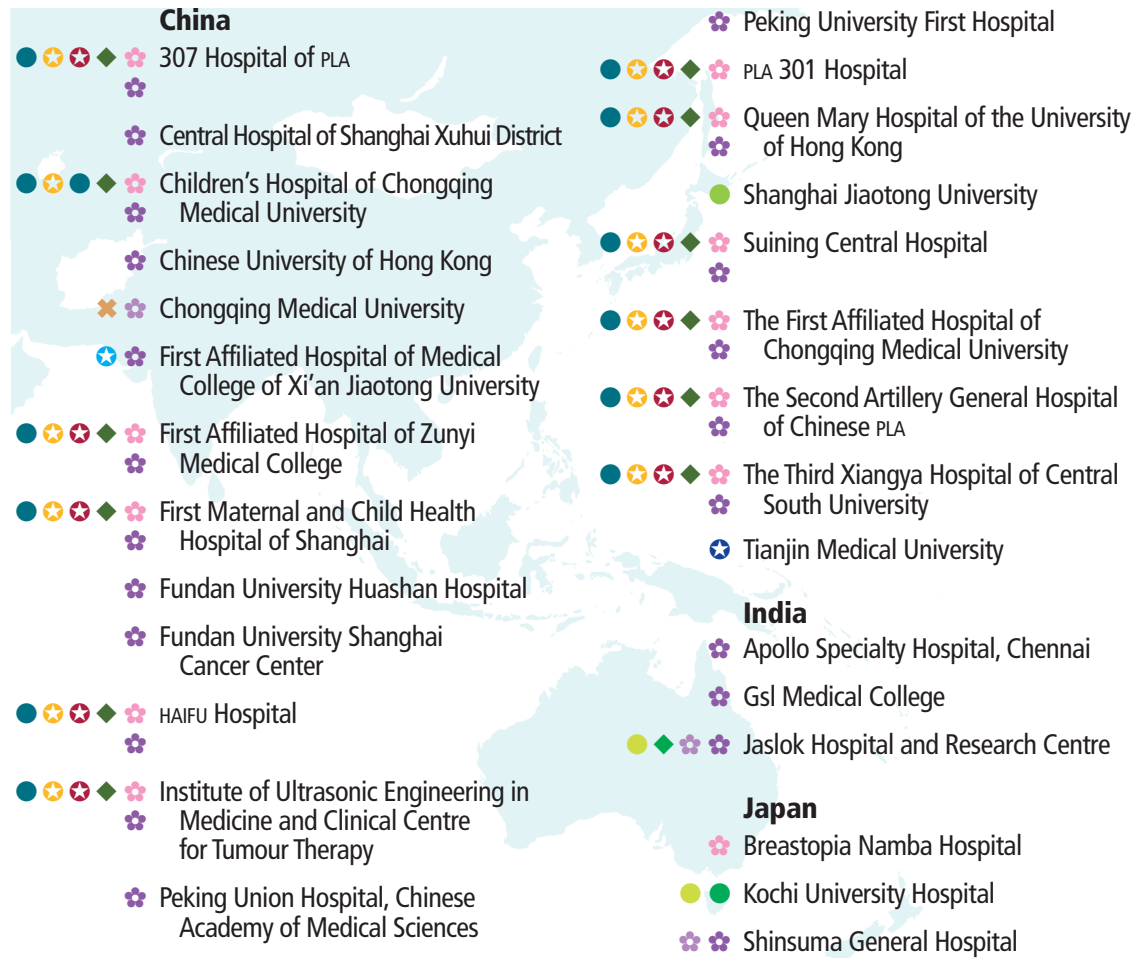
Any FUS research site treating patients as part of a clinical study.

Clinical

Clinical Research Sites by Region

40

Asia

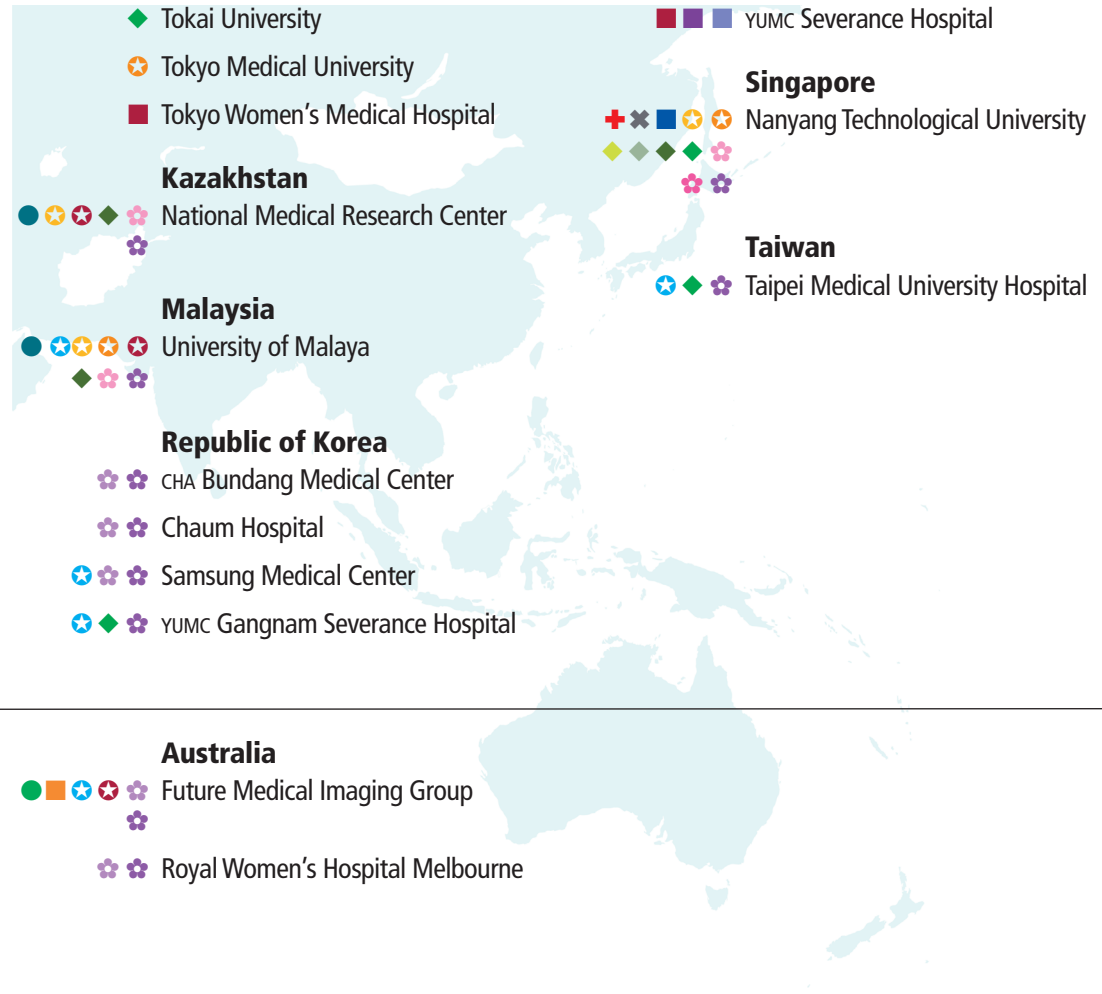


<p>Cardiovascular</p> <p>➤ Hypertension</p> <p>Endocrine Disorders</p> <p>▲ Diabetes*</p> <p>▲ Obesity*</p> <p>▲ Thyroid and parathyroid tumors*</p> <p>▲ Thyroid nodules*</p>	<p>Miscellaneous</p> <p>✕ Glaucoma</p> <p>✕ Hypersplenism</p> <p>Musculoskeletal</p> <p>● Back and neck pain</p> <p>● Bone cancer</p> <p>● Osteoarthritis</p> <p>● Osteoid osteoma</p> <p>● Sacroiliitis*</p>	<p>Neurological</p> <p>■ Brain tumors*</p> <p>■ Cancer pain</p> <p>■ Depression*</p> <p>■ Epilepsy*</p> <p>■ Essential tremor</p> <p>■ Neuropathic pain*</p> <p>■ Obsessive-compulsive disorder</p> <p>■ Parkinson's disease</p> <p>■ Stroke</p> <p>■ Trigeminal neuralgia*</p>	<p>Oncological</p> <p>★ Bone metastases</p> <p>★ Colon cancer</p> <p>★ Liver tumors</p> <p>★ Pancreatic tumors</p> <p>★ Pediatric oncology*</p> <p>★ Soft tissue tumors</p>	<p>Urological</p> <p>◆ Benign prostatic hyperplasia</p> <p>◆ Kidney stones</p> <p>◆ Kidney tumors</p> <p>◆ Prostate cancer</p> <p>Women's Health</p> <p>☆ Breast cancer</p> <p>☆ Breast fibroadenoma</p> <p>☆ Uterine adenomyosis</p> <p>☆ Uterine fibroids</p> <p>* Not in this region</p>
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Any FUS research site treating patients as part of a clinical study.

Clinical

Clinical Research Sites by Region



2

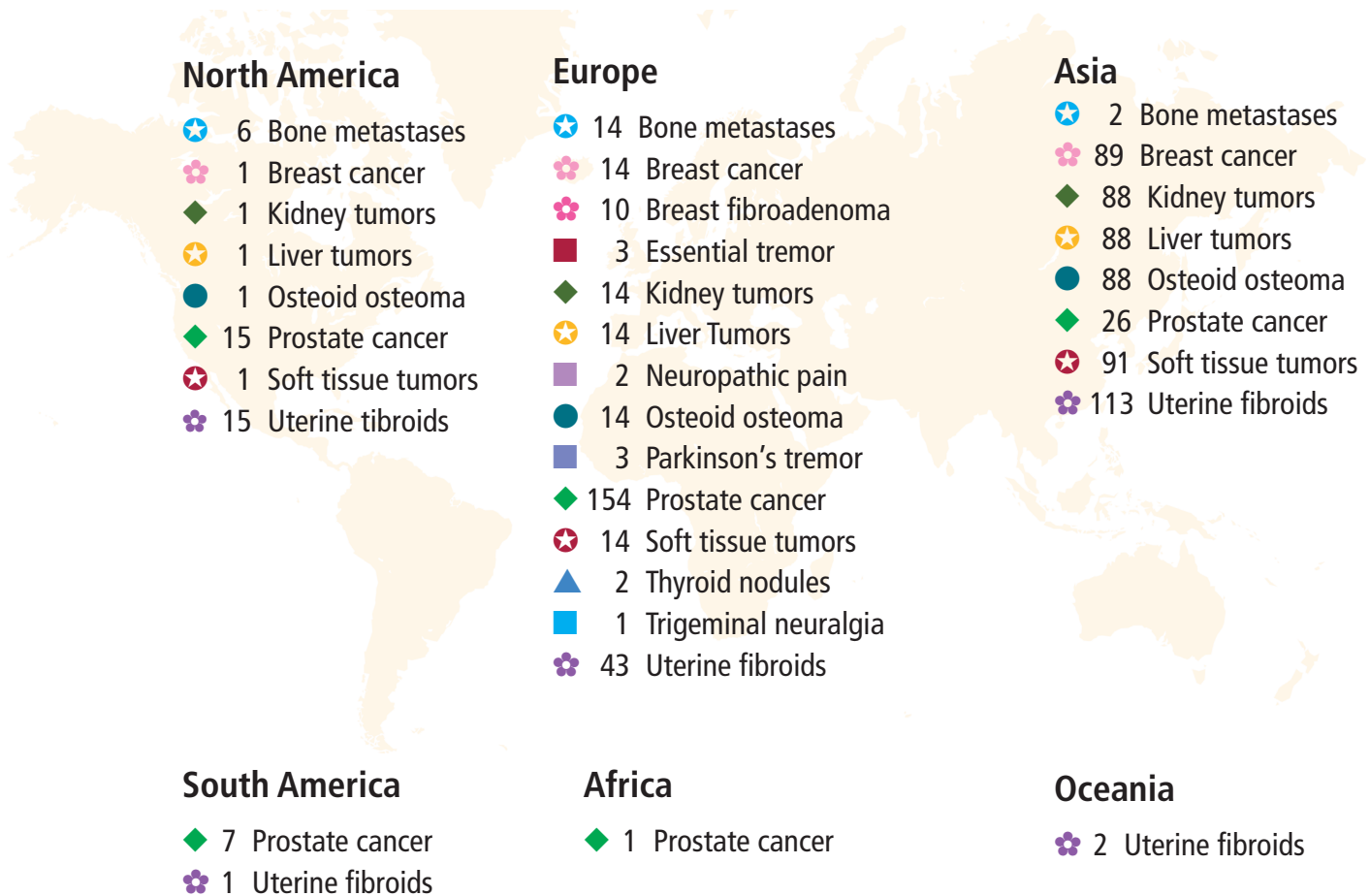
Oceania

<p>Cardiovascular</p> <ul style="list-style-type: none"> ⊕ Hypertension <p>Endocrine Disorders</p> <ul style="list-style-type: none"> ▲ Diabetes* ▲ Obesity* ▲ Thyroid and parathyroid tumors* ▲ Thyroid nodules* 	<p>Miscellaneous</p> <ul style="list-style-type: none"> ✕ Glaucoma ✕ Hypersplenism <p>Musculoskeletal</p> <ul style="list-style-type: none"> ● Back and neck pain ● Bone cancer ● Osteoarthritis ● Osteoid osteoma ● Sacroiliitis* 	<p>Neurological</p> <ul style="list-style-type: none"> ■ Brain tumors* ■ Cancer pain ■ Depression* ■ Epilepsy* ■ Essential tremor ■ Neuropathic pain* ■ Obsessive-compulsive disorder ■ Parkinson's disease ■ Stroke ■ Trigeminal neuralgia* 	<p>Oncological</p> <ul style="list-style-type: none"> ★ Bone metastases ★ Colon cancer ★ Liver tumors ★ Pancreatic tumors ★ Pediatric oncology* ★ Soft tissue tumors 	<p>Urological</p> <ul style="list-style-type: none"> ◆ Benign prostatic hyperplasia ◆ Kidney stones ◆ Kidney tumors ◆ Prostate cancer <p>Women's Health</p> <ul style="list-style-type: none"> ✿ Breast cancer ✿ Breast fibroadenoma ✿ Uterine adenomyosis ✿ Uterine fibroids <p>* Not in this region</p>
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Any FUS research site treating patients as part of a clinical study.

Commercial Treatment

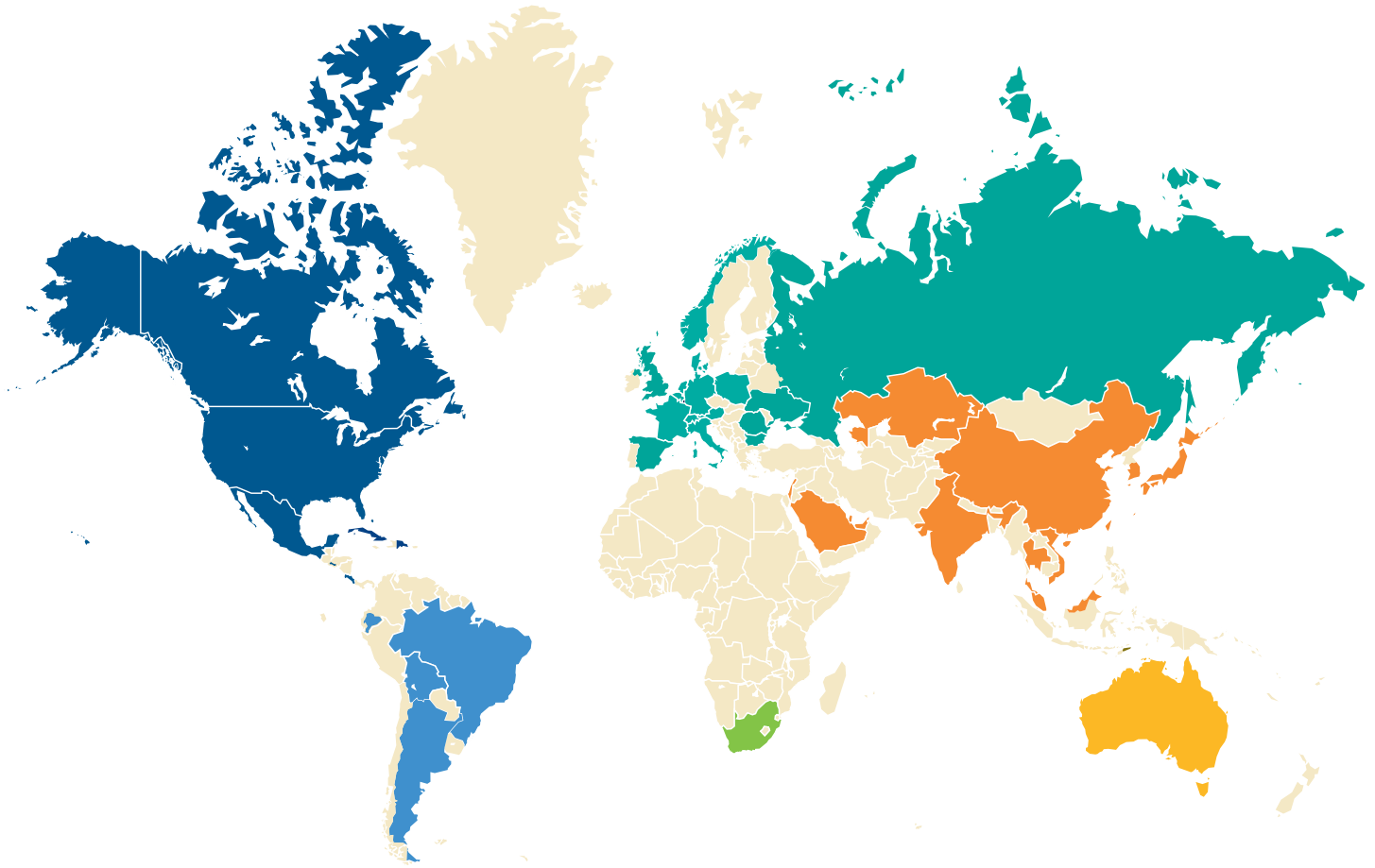
Commercial Treatment Sites by Indications and Regions



Any site with a focused ultrasound system and regulatory approval from the respective country and currently providing treatments.

Commercial Treatment

Commercial Treatment Sites by Country



Any site with a focused ultrasound system and regulatory approval from the respective country and currently providing treatments.

North America

- 1 Bahamas
- 1 Bermuda
- 7 Canada
- 1 Costa Rica
- 1 Cuba
- 2 Dominican Republic
- 1 Grand Cayman
- 4 Mexico
- 14 United States

South America

- 1 Argentina
- 1 Bolivia
- 3 Brazil
- 3 Ecuador

Europe

- 4 Austria
- 2 Belgium
- 2 Bulgaria
- 1 Denmark
- 38 France
- 50 Germany
- 2 Israel
- 32 Italy
- 1 Monaco
- 4 The Netherlands
- 1 Norway
- 3 Poland
- 2 Romania

- 27 Russia
- 6 Spain
- 9 Switzerland
- 1 Ukraine
- 25 United Kingdom

Asia

- 83 China
- 11 India
- 12 Japan
- 1 Kazakhstan
- 2 Kingdom of Saudi Arabia
- 1 Lebanon
- 1 Malaysia

- 1 Qatar
- 6 Republic of Korea
- 1 Singapore
- 16 Taiwan
- 1 Thailand
- 1 United Arab Emirates
- 1 Vietnam

Oceania

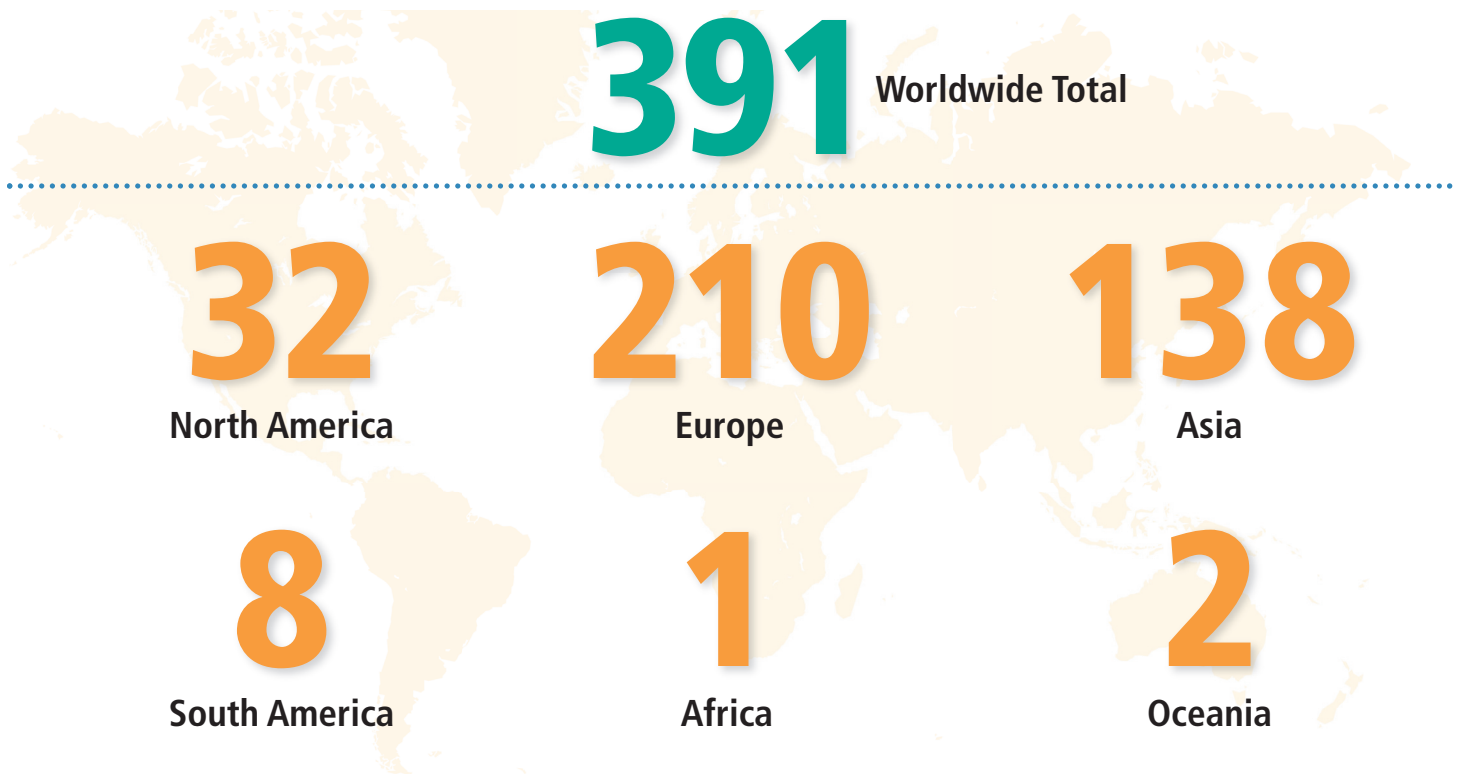
- 2 Australia

Africa

- 1 South Africa

Commercial Treatment

Commercial Treatment Sites by Region



Any site with a focused ultrasound system and regulatory approval from the respective country and currently providing treatments.

Commercial Treatment

Commercial Treatment Sites by Region

32
North America



<p>Endocrine Disorders</p> <ul style="list-style-type: none"> ▲ Thyroid nodules* <p>Musculoskeletal</p> <ul style="list-style-type: none"> ● Osteoid osteoma 	<p>Neurological</p> <ul style="list-style-type: none"> ■ Essential tremor* ■ Neuropathic pain* ■ Parkinson's disease* ■ Trigeminal neuralgia* 	<p>Oncological</p> <ul style="list-style-type: none"> ★ Bone metastases ★ Liver tumors ★ Soft tissue tumors 	<p>Urological</p> <ul style="list-style-type: none"> ◆ Kidney tumors ◆ Prostate cancer 	<p>Women's Health</p> <ul style="list-style-type: none"> ✿ Breast cancer* ✿ Breast fibroadenoma* ✿ Uterine fibroids <p>* Not in this region</p>
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Any site with a focused ultrasound system and regulatory approval from the respective country and currently providing treatments.

Commercial Treatment

Commercial Treatment Sites by Region

8

South America

Argentina

- ◆ Centro de Urologia

Bolivia

- ◆ Centro de urología avanzada de la Clínica Incor

Brazil

- ◆ Centro de Prostata San Paulo
- ◆ Hospital AC Camargo de São Paulo
- ✿ Instituto do Cancer do Estado de Sao Paulo

Ecuador

- ◆ Hospital Carlos Andrade Marín
- ◆ Hospital IESS
- ◆ Hospital Policia Nacional Guayaqui



Endocrine Disorders

- ▲ Thyroid nodules*

Musculoskeletal

- Osteoid osteoma*

Neurological

- Essential tremor*
- Neuropathic pain*
- Parkinson's disease*
- Trigeminal neuralgia*

Oncological

- ★ Bone metastases*
- ★ Liver tumors*
- ★ Soft tissue tumors*

Urological

- ◆ Kidney tumors*
- ◆ Prostate cancer

Women's Health

- ✿ Breast cancer*
- ✿ Breast fibroadenoma*
- ✿ Uterine fibroids

* Not in this region

Any site with a focused ultrasound system and regulatory approval from the respective country and currently providing treatments.

Commercial Treatment

Commercial Treatment Sites by Region

210
Europe



Endocrine Disorders
▲ Thyroid nodules

Musculoskeletal
● Osteoid osteoma

Neurological
■ Essential tremor
■ Neuropathic pain
■ Parkinson's disease
■ Trigeminal neuralgia

Oncological
★ Bone metastases
★ Liver tumors
★ Soft tissue tumors

Urological
◆ Kidney tumors
◆ Prostate cancer

Women's Health
✿ Breast cancer
✿ Breast fibroadenoma
✿ Uterine fibroids

* Not in this region

Any site with a focused ultrasound system and regulatory approval from the respective country and currently providing treatments.

Commercial Treatment

Commercial Treatment Sites by Region



<p>Endocrine Disorders</p> <p>▲ Thyroid nodules</p> <p>Musculoskeletal</p> <p>● Osteoid osteoma</p>	<p>Neurological</p> <p>■ Essential tremor</p> <p>■ Neuropathic pain</p> <p>■ Parkinson's disease</p> <p>■ Trigeminal neuralgia</p>	<p>Oncological</p> <p>★ Bone metastases</p> <p>★ Liver tumors</p> <p>★ Soft tissue tumors</p>	<p>Urological</p> <p>◆ Kidney tumors</p> <p>◆ Prostate cancer</p>	<p>Women's Health</p> <p>✿ Breast cancer</p> <p>✿ Breast fibroadenoma</p> <p>✿ Uterine fibroids</p> <p>* Not in this region</p>
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Any site with a focused ultrasound system and regulatory approval from the respective country and currently providing treatments.

Commercial Treatment

Commercial Treatment Sites by Region



Endocrine Disorders
▲ Thyroid nodules

Musculoskeletal
● Osteoid osteoma

Neurological
■ Essential tremor
■ Neuropathic pain
■ Parkinson's disease
■ Trigeminal neuralgia

Oncological
★ Bone metastases
★ Liver tumors
★ Soft tissue tumors

Urological
◆ Kidney tumors
◆ Prostate cancer

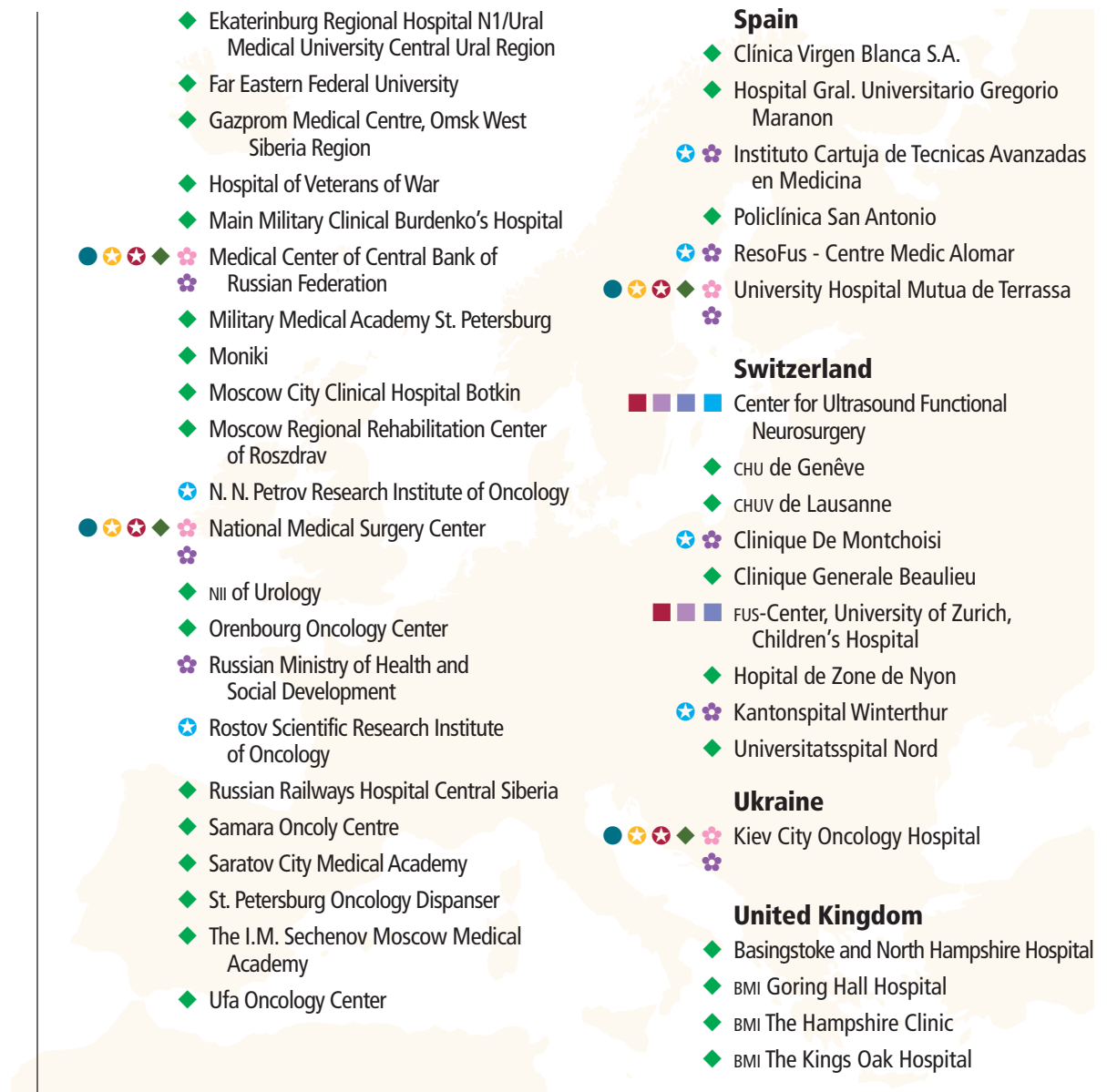
Women's Health
♀ Breast cancer
♀ Breast fibroadenoma
♀ Uterine fibroids

* Not in this region

Any site with a focused ultrasound system and regulatory approval from the respective country and currently providing treatments.

Commercial Treatment

Commercial Treatment Sites by Region



<p>Endocrine Disorders</p> <ul style="list-style-type: none"> ▲ Thyroid nodules <p>Musculoskeletal</p> <ul style="list-style-type: none"> ● Osteoid osteoma 	<p>Neurological</p> <ul style="list-style-type: none"> ■ Essential tremor ■ Neuropathic pain ■ Parkinson's disease ■ Trigeminal neuralgia 	<p>Oncological</p> <ul style="list-style-type: none"> ★ Bone metastases ★ Liver tumors ★ Soft tissue tumors 	<p>Urological</p> <ul style="list-style-type: none"> ◆ Kidney tumors ◆ Prostate cancer 	<p>Women's Health</p> <ul style="list-style-type: none"> ◆ Breast cancer ◆ Breast fibroadenoma ◆ Uterine fibroids <p>* Not in this region</p>
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Any site with a focused ultrasound system and regulatory approval from the respective country and currently providing treatments.

Commercial Treatment

Commercial Treatment Sites by Region



<p>Endocrine Disorders</p> <p>▲ Thyroid nodules</p> <p>Musculoskeletal</p> <p>● Osteoid osteoma</p>	<p>Neurological</p> <p>■ Essential tremor</p> <p>■ Neuropathic pain</p> <p>■ Parkinson's disease</p> <p>■ Trigeminal neuralgia</p>	<p>Oncological</p> <p>★ Bone metastases</p> <p>★ Liver tumors</p> <p>★ Soft tissue tumors</p>	<p>Urological</p> <p>◆ Kidney tumors</p> <p>◆ Prostate cancer</p>	<p>Women's Health</p> <p>✿ Breast cancer</p> <p>✿ Breast fibroadenoma</p> <p>✿ Uterine fibroids</p> <p>* Not in this region</p>
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Any site with a focused ultrasound system and regulatory approval from the respective country and currently providing treatments.

Commercial Treatment

Commercial Treatment Sites by Region

138

Asia

China

●★◆◇✿ **Commercial treatment centers for six indications**

- 307 Hospital of PLA
- Affiliated Hospital of Armed Police's Medical College
- Affiliated Hospital of Chuanbei Medical College
- Affiliated Hospital of Qinghai Medical College
- Affiliated Hospital of Xinxiang Medical College
- Baoji Maternal and Child Health Hospital
- Beijing Cancer Hospital
- Beijing Hospital
- Chengdu Shuangnan Hospital
- Children's Hospital of Chongqing Medical University
- Chongqing Three Gorges Central Hospital
- City Hospital of Bincheng District in Binzhou City
- Dalian Friendship Hospital
- Daxian People's Hospital
- Dengfeng People's Hospital
- First Affiliated Hospital of Guangxi Medical University
- First Affiliated Hospital of Kunming Medical University
- First Affiliated Hospital of Zunyi Medical College
- First Maternal and Child Health Hospital of Shanghai
- Fujian Provincial Hospital
- Fuling Center Hospital of Chongqing
- Fundan University Shanghai Cancer Center
- Guangzhou First Municipal People's Hospital
- Guantao People's Hospital of Hebei
- HAIFU Hospital
- Haifu Hospital of Tangshan Transportation Group Co. Ltd
- Haikou Municipal Hospital
- Huabei Oil Field General Hospital Group
- Huainan Eastern Hospital
- Huanggang Center Hospital
- Hubei Maternal and Child Health Hospital

- Institute of Ultrasonic Engineering in Medicine and Clinical Centre for Tumour Therapy
- Jiangmen Wuyi Traditional Chinese Medicine Hospital
- Jiangsu Armed Police Corps Hospital
- Jiangsu Cancer Hospital
- Jilin Center Hospital
- Jiugang Hospital
- Jiujiang Maternal and Child Health Hospital
- Jixi People's Hospital
- Kaixian People's Hospital
- Lianyungang Orient Hospital
- Liaoning Fushun Cancer Hospital
- Luoyang Center Hospital
- Maternal and Child Health Hospital of Yubei District
- Nanshi Hospital
- No. 91 Central Hospital of the Liberation Army
- Nong Ken Hospital
- Obstetric Hospital of Changchun
- People's Hospital of Hunan Province
- People's Hospital of Nanchuan District
- People's Hospital of Xingtai
- PLA 301 Hospital (General Hospital of the People's Liberation Army)
- Queen Mary Hospital of the University of Hong Kong
- Shaanxi Maternal and Child Health Hospital
- Shandong Cancer Hospital
- Shandong Guangrao Traditional Chinese Medicine Hospital
- Shandong Qianfoshan Hospital
- Shanxi Traditional Chinese Medicine Hospital
- Shenzhen Maternal and Child Health Center Hospital
- Suining Central Hospital
- Suining Hospital of Traditional Chinese Medicine
- Sun Yat-Sen University Cancer Center
- The 452nd PLA Hospital
- The Daqing Oil Field General Hospital Group
- The First Affiliated Hospital of Chongqing Medical University

Endocrine Disorders

▲ Thyroid nodules*

Musculoskeletal

● Osteoid osteoma

Neurological

■ Essential tremor*

■ Neuropathic pain*

■ Parkinson's disease*

■ Trigeminal neuralgia*

Oncological

★ Bone metastases

★ Liver tumors

★ Soft tissue tumors

Urological

◆ Kidney tumors

◆ Prostate cancer

Women's Health

✿ Breast cancer

✿ Breast fibroadenoma*

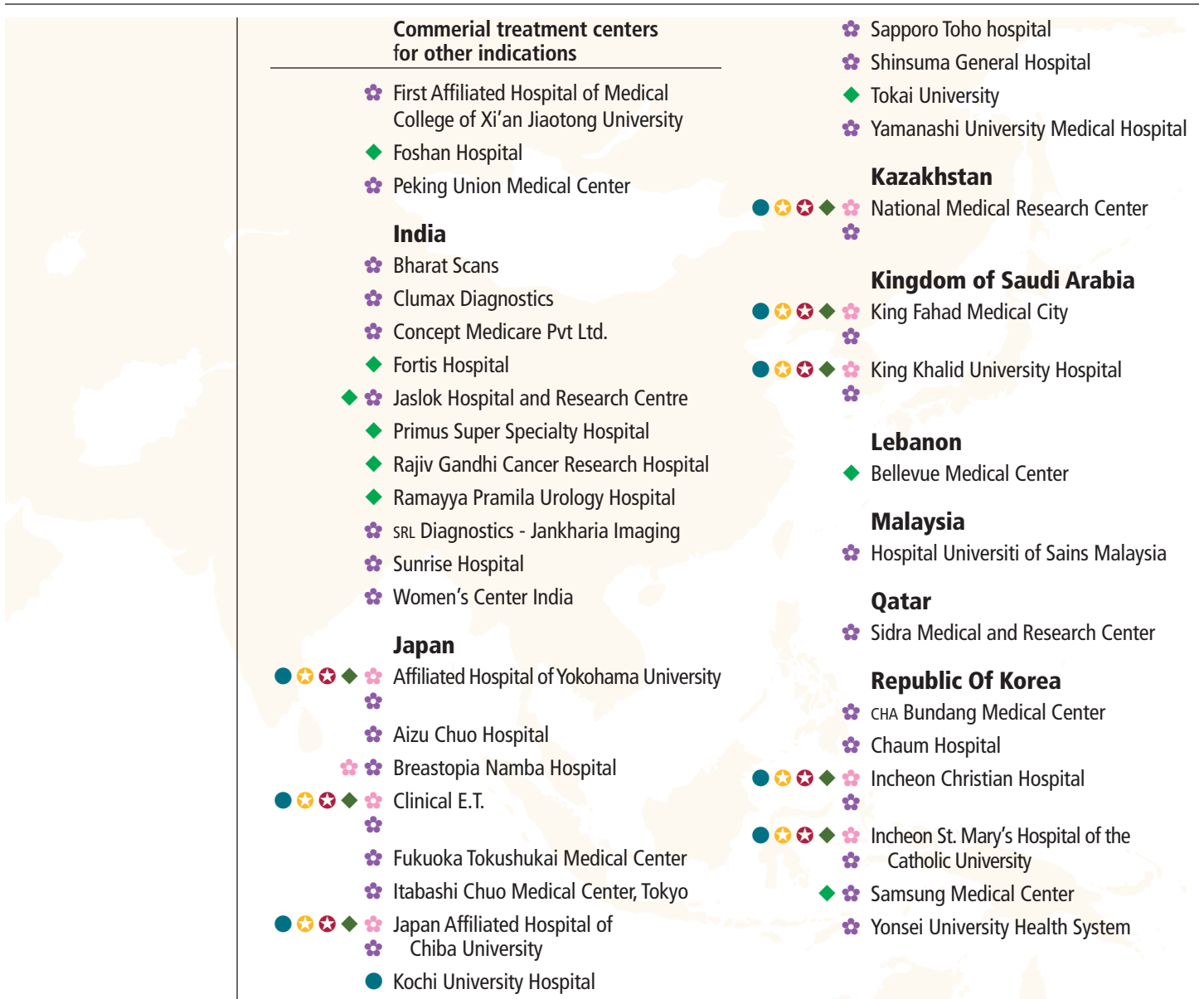
✿ Uterine fibroids

* Not in this region

Any site with a focused ultrasound system and regulatory approval from the respective country and currently providing treatments.

Commercial Treatment

Commercial Treatment Sites by Region

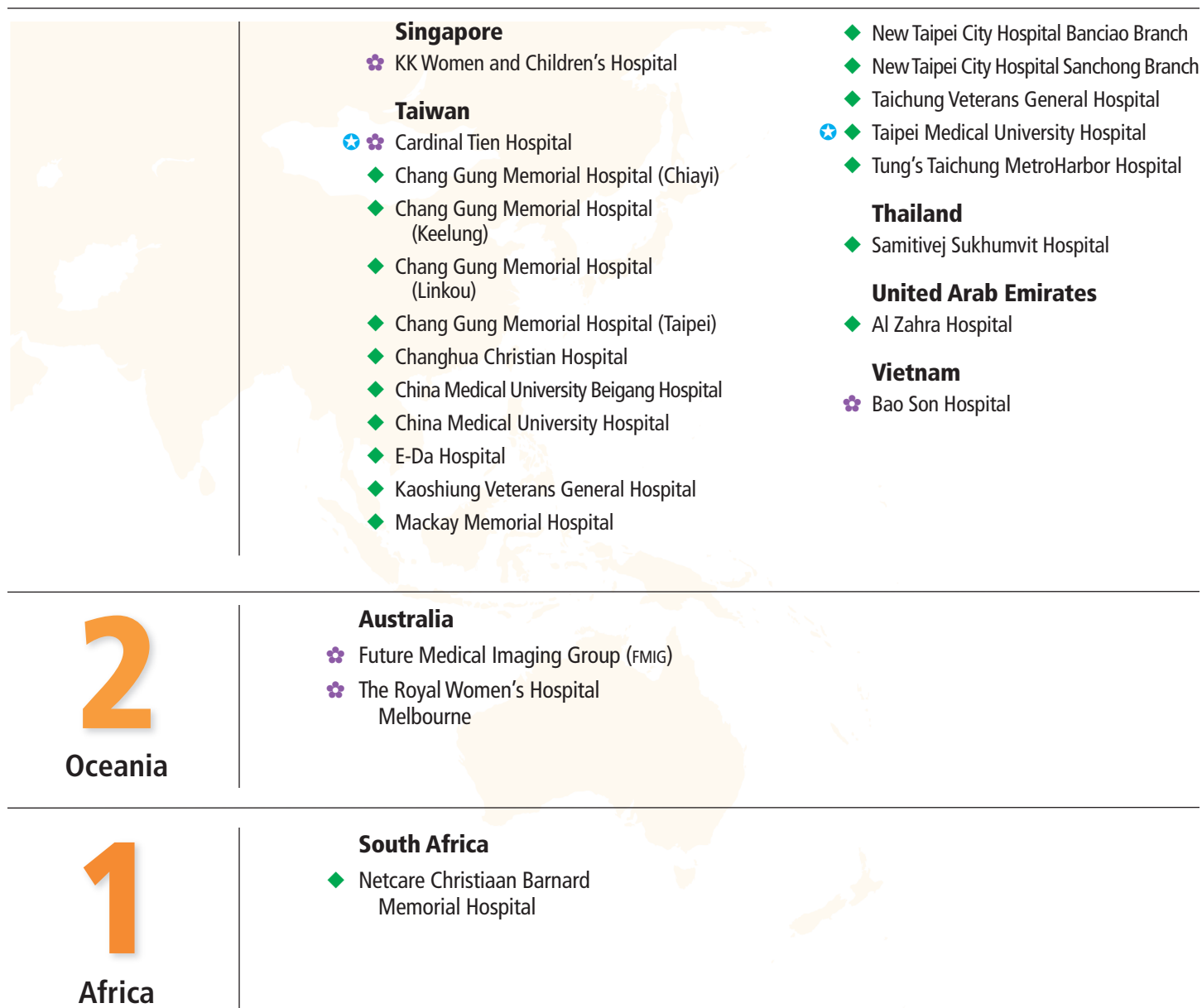


<p>Endocrine Disorders</p> <ul style="list-style-type: none"> ▲ Thyroid nodules* <p>Musculoskeletal</p> <ul style="list-style-type: none"> ● Osteoid osteoma 	<p>Neurological</p> <ul style="list-style-type: none"> ■ Essential tremor* ■ Neuropathic pain* ■ Parkinson's disease* ■ Trigeminal neuralgia* 	<p>Oncological</p> <ul style="list-style-type: none"> ● Bone metastases ● Liver tumors ● Soft tissue tumors 	<p>Urological</p> <ul style="list-style-type: none"> ◆ Kidney tumors ◆ Prostate cancer 	<p>Women's Health</p> <ul style="list-style-type: none"> ● Breast cancer ● Breast fibroadenoma* ● Uterine fibroids <p>* Not in this region</p>
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Commercial Treatment

Commercial Treatment Sites by Region

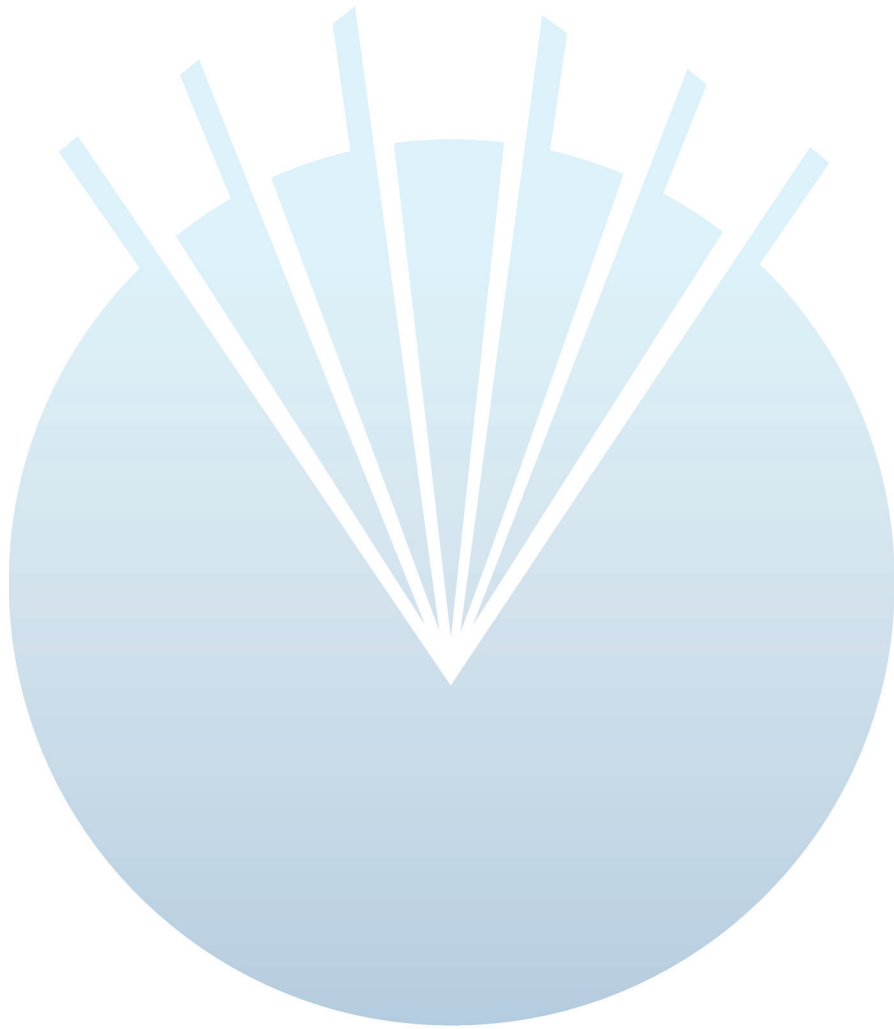


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|---|--|---|---|--|
| Endocrine Disorders
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FOCUSED
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The information in this report was provided by manufacturers and the focused ultrasound research community to the Focused Ultrasound Foundation.

The FUS Foundation aims to provide the most accurate information; if you have more current or updated information please send it to: engagement@fusfoundation.org.