



# Focused Ultrasound A Global Perspective

Collaborative Network



FOCUSED  
ULTRASOUND  
FOUNDATION

1.31.2014

## About the Focused Ultrasound Foundation

The Focused Ultrasound Foundation is a medical technology research, education and advocacy organization dedicated to improving the lives of millions of people with serious medical disorders by accelerating the development and adoption of focused ultrasound. The Foundation is unique in that it supports a platform technology that utilizes multiple mechanisms of action to treat a wide variety of diseases.

Positioned at the nexus of the large, diverse group of stakeholders comprising the ultrasound community, the Foundation functions as an independent, trusted and unbiased third party, aligning organizations into a cohesive ecosystem with a single goal: to make focused ultrasound technology available to patients in the shortest time possible. The Foundation works to establish a patient centric culture, instill a sense of urgency in all stakeholders, and alleviate barriers to progress.

The Foundation catalyzes collaboration and partnerships, organizes and funds research, spearheads advocacy and patient support initiatives, and organizes meetings, symposia and workshops to create and disseminate knowledge and increase awareness of focused ultrasound. Early-stage research funded by the Foundation “de-risks” subsequent investment, thus encouraging other funding sources such as disease-specific foundations, the NIH, and the biomedical industry to become more involved.

The Foundation is on the leading edge of the venture philanthropy and social entrepreneurship movements and is a model of how private philanthropy can work in concert with academia, industry and government to bridge the gap between research and commercialization of a high-impact medical technology.

Established in 2006 as a tax exempt organization, the Foundation is based in Charlottesville Virginia and has global activities.

### About Focused Ultrasound

Focused ultrasound is a revolutionary, noninvasive therapeutic technology with the potential to transform the treatment of many serious medical disorders including tumors of the brain, breast, prostate, liver and other organs, Parkinson’s disease, epilepsy, and stroke. With ongoing research, focused

ultrasound could address unmet clinical needs and provide treatments which are superior to best current therapy, thereby improving the quality of life and longevity for millions of patients around the world.

This breakthrough technology uses ultrasonic energy guided by magnetic resonance or ultrasound imaging to treat tissue deep in the body without incisions or radiation. Multiple intersecting beams of ultrasound are directed and concentrated with on a target as small as a grain of rice, much like a magnifying glass can focus multiple beams of light on a single point.

A variety of profound biological effects result at the focal point where the beams converge; where individual beams pass unfocused through adjacent tissue on the way to their target, they exert no effect or damage. Integrated magnetic resonance and ultrasound imaging identifies and targets the tissue to be treated, guides and controls the treatment interactively, in real time, and provides immediate confirmation of the effectiveness of the therapy. Because focused ultrasound offers many mechanisms of action, treatment of a wide variety of conditions is possible.

Focused ultrasound has the potential to be the ultimate in noninvasive surgery, an alternative or complement for radiation therapy, the means to dissolve blood clots and restore circulation through blocked vessels, and a way to deliver drugs in extremely high concentration to a precise point in the body, thus avoiding systemic toxicity.

Focused ultrasound is performed in an outpatient setting without general anesthesia. There are no incisions or scars, minimal pain and discomfort, and more rapid recovery. The technology has the potential to result in fewer complications such as infection or blood clots, avoid the toxic side effects of drugs and radiation therapy, and deliver treatment that is safer and more effective, costs less, and produces an immediate and verifiable effect.

Focused ultrasound is approved in the US and EU and a number of other countries for treatment of uterine fibroids and approved in the EU and other countries for treatment of bone metastases and prostate cancer. In addition, extensive research is being conducted around the world on a number of clinical applications.

## Charts by subjects

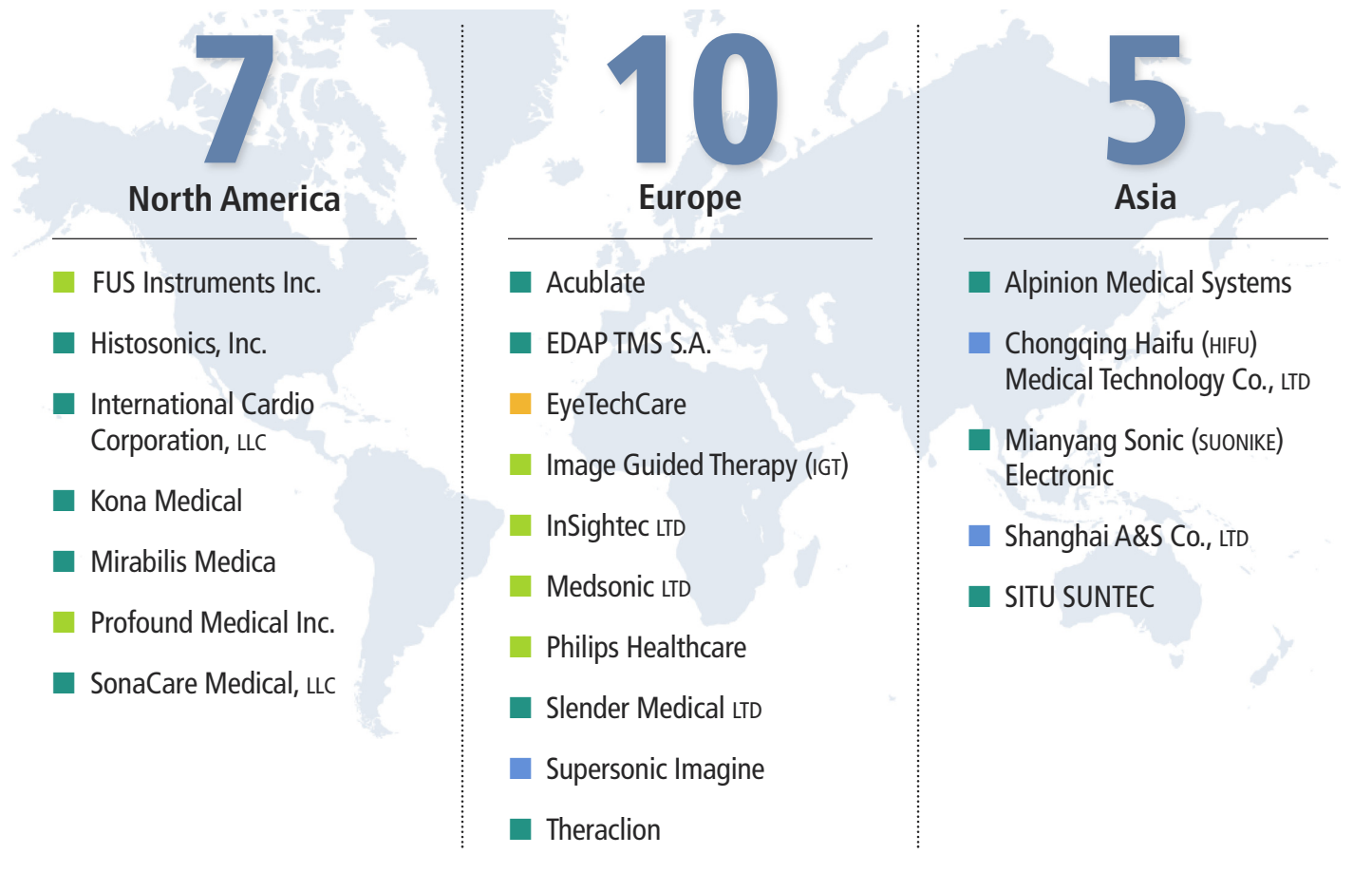
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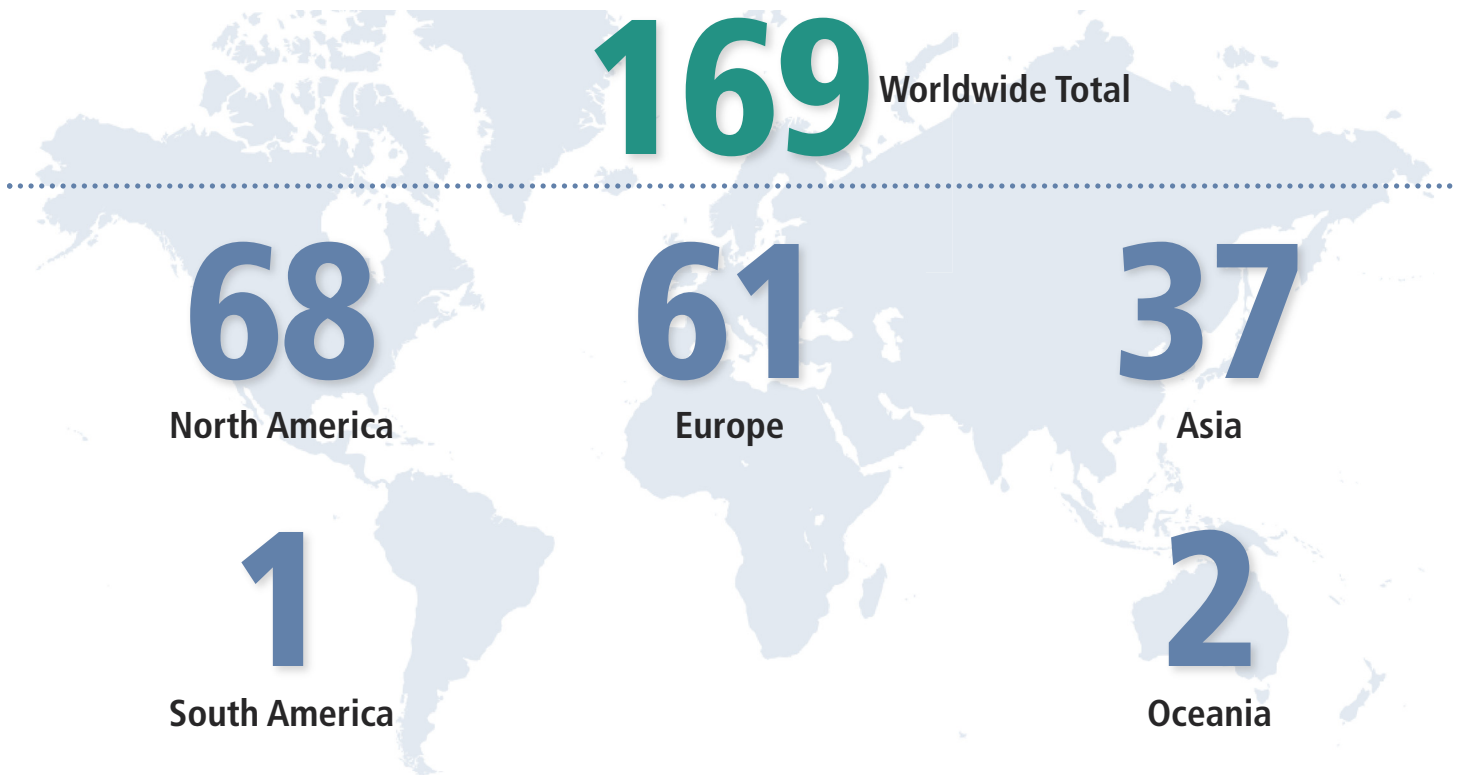
The information in this report was provided by manufacturers and the focused ultrasound research community to the Focused Ultrasound Foundation. The FUS Foundation aims to provide the most accurate information, if you have more current or updated information please send it to: [progress@fusfoundation.org](mailto:progress@fusfoundation.org).

Manufacturers by Region

■ MR guidance ■ US guidance ■ MR & US guidance ■ Visual guidance



All Research Sites by Region



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

Research Sites by Region

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North America

- Artann Laboratories
- Boston University
- Brigham and Women's Hospital (BWH)
- Can-Am HIFU
- CHI St. Luke's Health
- Children's National Hospital
- City of Hope
- Cleveland Clinic
- Cleveland Clinic Canada
- Columbia University
- Drexel University
- Duke University
- Fox Chase Cancer Center
- Grand Strand Urology
- Indiana University Health, University Hospital
- Indiana University School of Medicine
- Jewish General Hospital
- Johns Hopkins University School of Medicine
- Lawson Health Research Institute
- London Health Sciences Centre (LHSC)
- Mayo Clinic – Minnesota
- Medical University of South Carolina (MUSC)
- Memorial Sloan-Kettering Cancer Center
- Metropolitan Urology
- Montefiore Medical Center
- National Institutes of Health (NIH)
- New York University (NYU) Langone Medical Center and School of Medicine
- NYP – Weill Cornell Medical Center
- Oregon Health and Science University
- Southeast Urology Network
- Specialists in Urology, PA
- Stanford University Medical Center
- Sunnybrook Health Sciences Centre
- Swedish Neurosciences Institute
- The Hospital for Sick Children (SickKids)
- The Methodist Hospital
- Thunder Bay Regional Research Institute
- Tulane University
- UCLA/Brainsonix
- UCLA Ronald Reagan Medical Center
- UT SouthWestern
- University Hospitals of Cleveland Case Medical Center
- University MRI & Diagnostic Imaging Centers – South
- University of California, Davis
- University of California at San Diego
- University of California San Diego (UCSD)
- Thornton Hospital
- University of California San Francisco (UCSF)
- University of Chicago
- University of Cincinnati
- University of Illinois at Urbana-Champaign (UIUC)
- University of Kansas – KU Bioengineering Research Center Mechanical Engineering
- University of Maryland School of Medicine
- University of Michigan (UMich)
- University of Minnesota
- University of Texas MD Anderson Cancer Center
- University of Utah
- University of Virginia (UVA) Health System
- University of Washington
- University of Wisconsin Carbone Cancer Center
- Urologic Consultants of Southeastern Pennsylvania
- Urology Associates
- Urology Centers of Alabama
- Urology of San Antonio
- Vanderbilt University
- Wake Forest University Baptist Medical Center
- Walter Reed National Military Medical Center
- William Beaumont Health Systems
- Winthrop University Hospital

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South America

- Instituto do Cancer do Estado de Sao Paulo (ICESP)

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

Research Sites by Region

61

Europe

- Amper Klinik
- Azienda Ospedaliera San Paolo
- Basingstoke and North Hampshire Hospital
- Brustzentrum Marienhospital Bottrop
- Careggi General Hospital
- Center for Ultrasound Functional Neurosurgery
- Centre Hospitalier Regional Universitaire de Tours
- Centre Léon Bérard
- Charité Universitätsmedizin Berlin
- CHRU de Lille - Hôpital Huriez
- CHU de Bordeaux – Hôpital Saint-André
- CHU de Bordeaux – Hôpital du Tondu
- CHU de Toulouse – Hôpital Rangueil
- Cisanello Hospital of University of Pisa
- Clinica oculistica Università – Ospedale oftalmico
- Cyprus University of Technology
- Eindhoven University of Technology
- European Institute of Oncology
- Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico
- Fraunhofer Institut IBMT
- German Cancer Research Center (DKFZ)
- Hôpital Cochin
- Hôpital Pitié-Salpêtrière
- Hôpitaux Universitaires de Genève (HUG)
- Hospices Civils de Lyon
- Hospital Clínico San Carlos
- Hospital Universitario Marqués de Valdecilla (HUMV)
- Inserm Lyon
- Institute for Medical Science and Technology (IMSAT)
- Institut Gustave Roussy
- Institut Langevin (ESPCI)
- Institut Mutualiste Montsouris
- Instituto Cartuja
- John Radcliffe Hospital
- Kantonspital Winterthur
- Klinikum Fürth
- Laboratorio di Tecnologie Oncologiche (LATO) HSR Giglio – Fondazione Istituto San Raffaele G. Giglio di Cefalù
- Medical Center of Central Bank of Russian Federation
- N. N. Petrov Research Institute of Oncology
- National Medical Surgery Center
- Niguarda Hospital
- Ospedale Generale Regionale "Francis Miulli"
- Research Center for Obstetrics, Gynecology and Perintology of Russian Ministry of Health and Social Development
- Rostov Scientific Research Institute of Oncology
- Scuola Superiore Sant'Anna
- St. Mary's Hospital
- The Institute of Cancer Research (ICR)
- The Intervention Centre, Oslo University Hospital Rikshospitalet
- Thomayer University Hospital
- Università degli Studi di Parma
- University Children's Hospital Zurich
- University Hospital of Endocrinology
- University Hospital Schleswig-Holstein
- University Medical Center (UMC) Utrecht
- University of Geneva
- University of Heidelberg
- University of Hull
- University of L'Aquila
- University of Munich
- University of Rome – La Sapienza
- Urologische Universitätsklinik Magdeburg

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

Research Sites by Region

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Asia

- 307 Hospital of PLA
- Apollo Specialty Hospital, Chennai
- Breastopia Namba Hospital
- Central Hospital of Shanghai Xuhui District
- CHA Bundang Medical Center
- Chaim Sheba Medical Center
- Chaum Hospital
- Children’s Hospital of 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
- Fudan University Cancer Hospital
- Gsl Medical College
- HAIFU Hospital
- Indraprastha Apollo Hospital
- Institute of Ultrasonic Engineering in Medicine and Clinical Centre for Tumour Therapy
- Jaslok Hospital and Research Centre
- Kochi University Hospital
- Nanyang Technological University
- National Medical Research Center
- Peking Union Hospital, Chinese Academy of Medical Sciences
- Peking University First Hospital
- PLA 301 Hospital (General Hospital of the People’s Liberation Army)
- Queen Mary Hospital of the University of Hong Kong
- Rambam Medical Center
- Samsung Medical Center
- Shinsuma General Hospital
- SRL Diagnostics – Jankharia Imaging
- Suining Central Hospital
- Taipei Medical University 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
- Tokyo Women’s Medical Hospital
- University of Malaya (UMMC)
- YUCM Severance Hospital
- YUMC Gangnam Severance Hospital

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Oceania

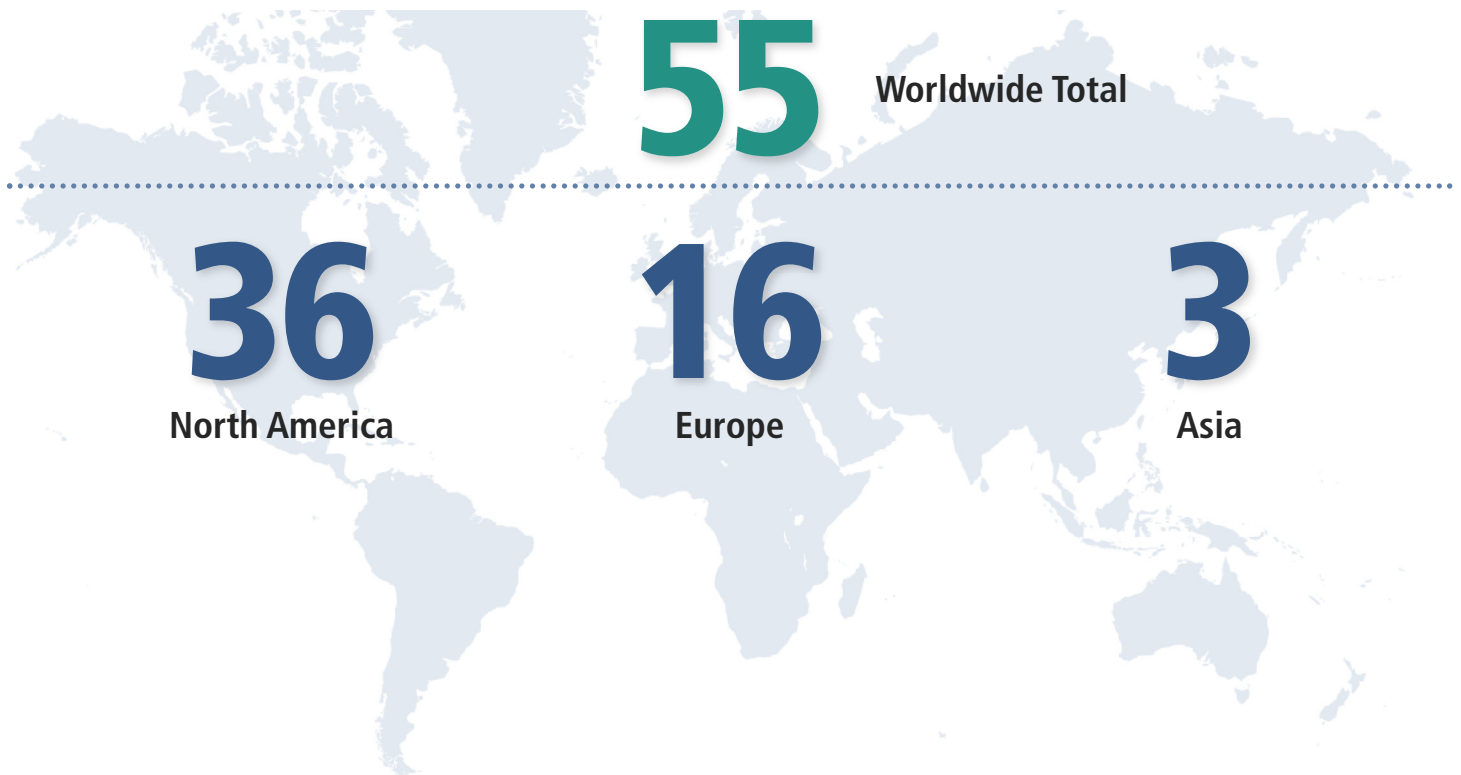
- Future Medical Imaging Group (FMIG)
- Royal Women’s Hospital Melbourne

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



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Technical Research Sites by Region



Technical Research Sites by Region and Areas



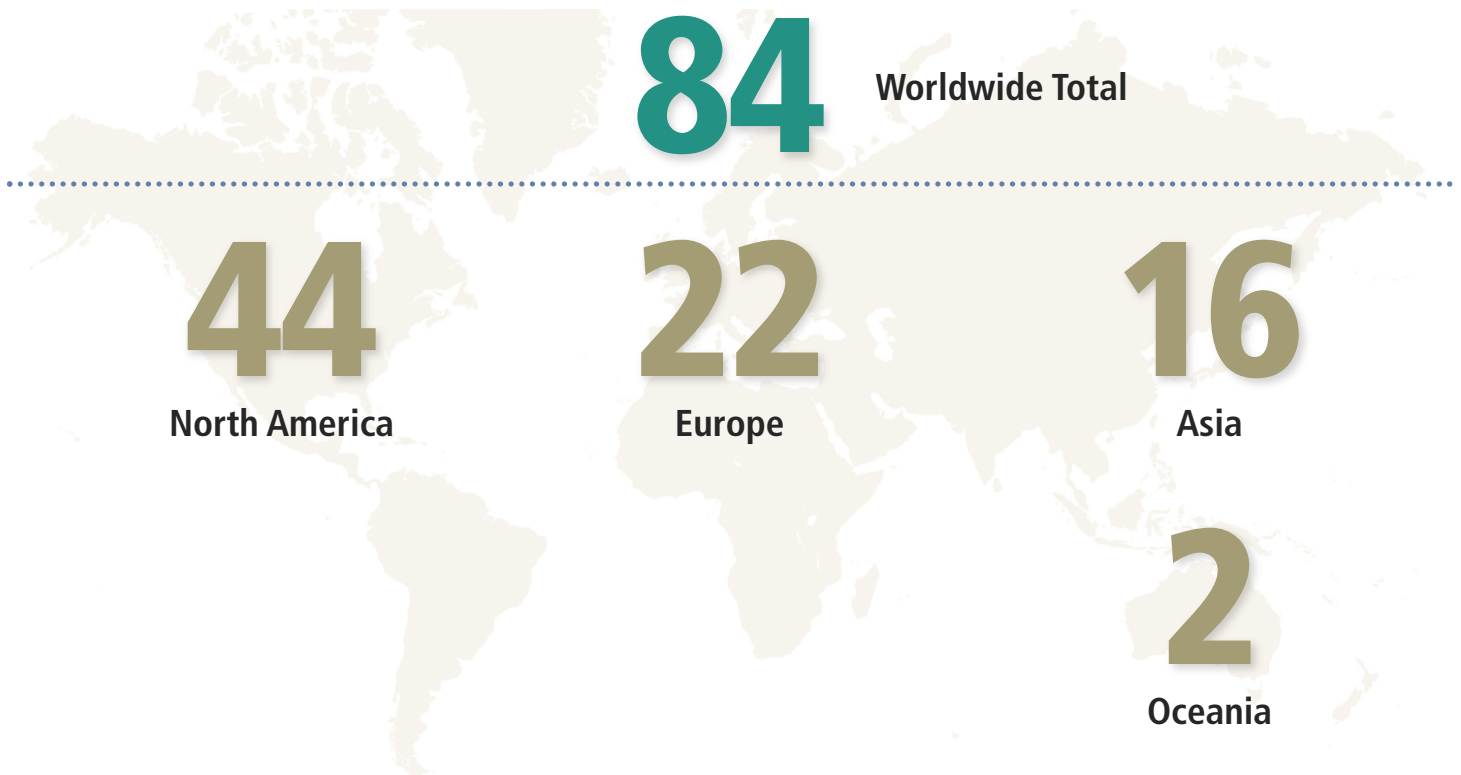
Technical Research Sites by Region and Areas



Technical Research Sites by Region and Areas



Pre-Clinical Research Sites



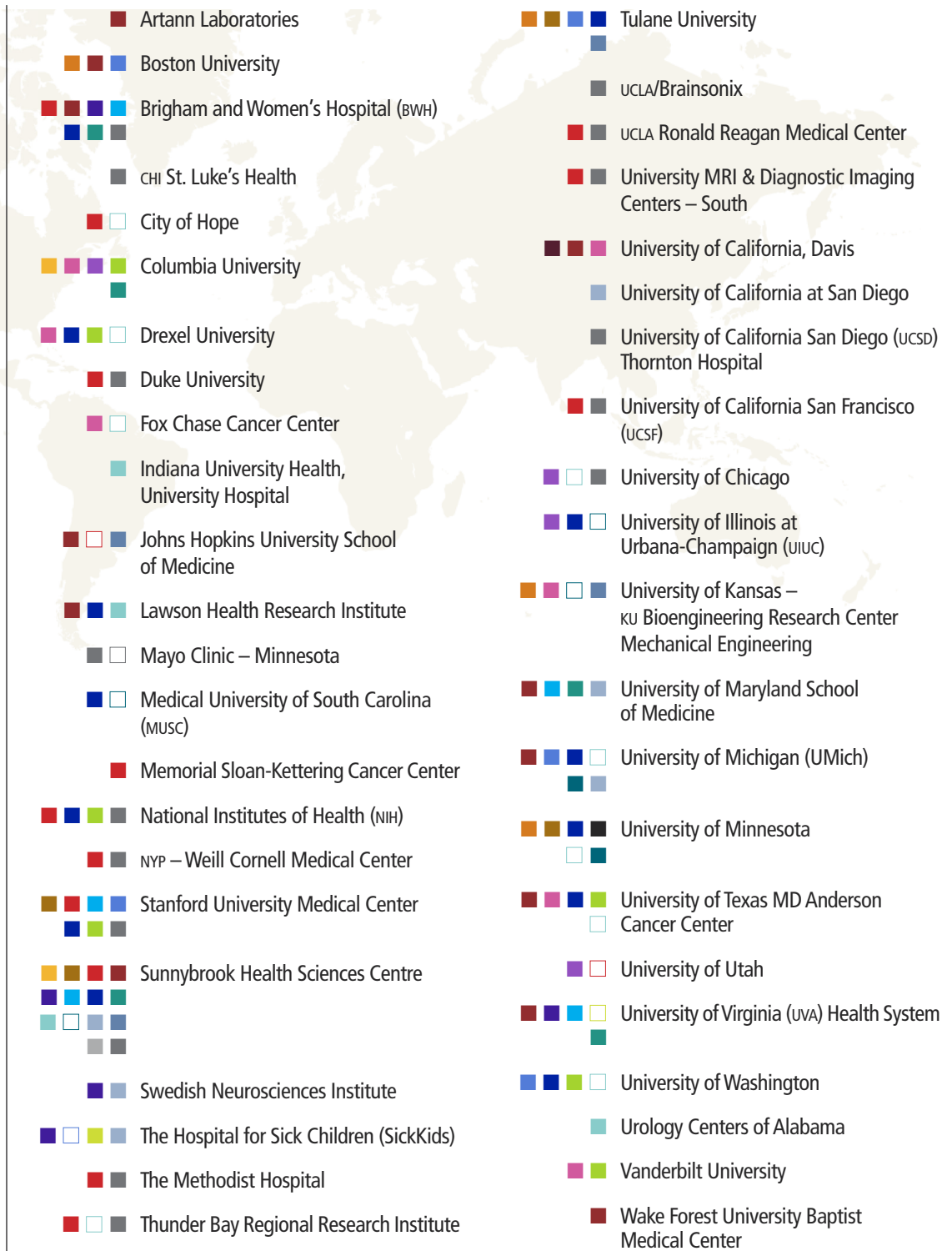
Any FUS research site conducting animal research.

Pre-clinical Research Sites by Region

44

North America

- Alzheimer's Disease
- Atherosclerosis
- Atrial fibrillation
- Back and neck pain
- Benign Prostatic Hypertrophy
- Bladder tumors
- Bone Metastases
- Brain Tumors
- Breast Cancer
- Breast Fibroadenoma
- Cancer pain
- Colon
- Epilepsy
- Essential Tremor
- Glaucoma
- Hydrocephalus
- Hypertension
- Kidney Tumors
- Liver Tumor
- Neuropathic pain
- Obsessive-compulsive Disorder
- Osteoarthritis
- Osteoid Osteoma
- Pancreatic Tumor
- Parkinson's Disease
- Prostate Cancer
- Prostate Tumors
- Septal perforation
- Soft Tissue Tumors
- Stroke
- Thyroid & Parathyroid tumors
- Trigeminal neuralgia
- Uterine Fibroids
- Uterine Adenomyosis



Any FUS research site conducting animal research.

Pre-clinical Research Sites by Region



Any FUS research site conducting animal research.

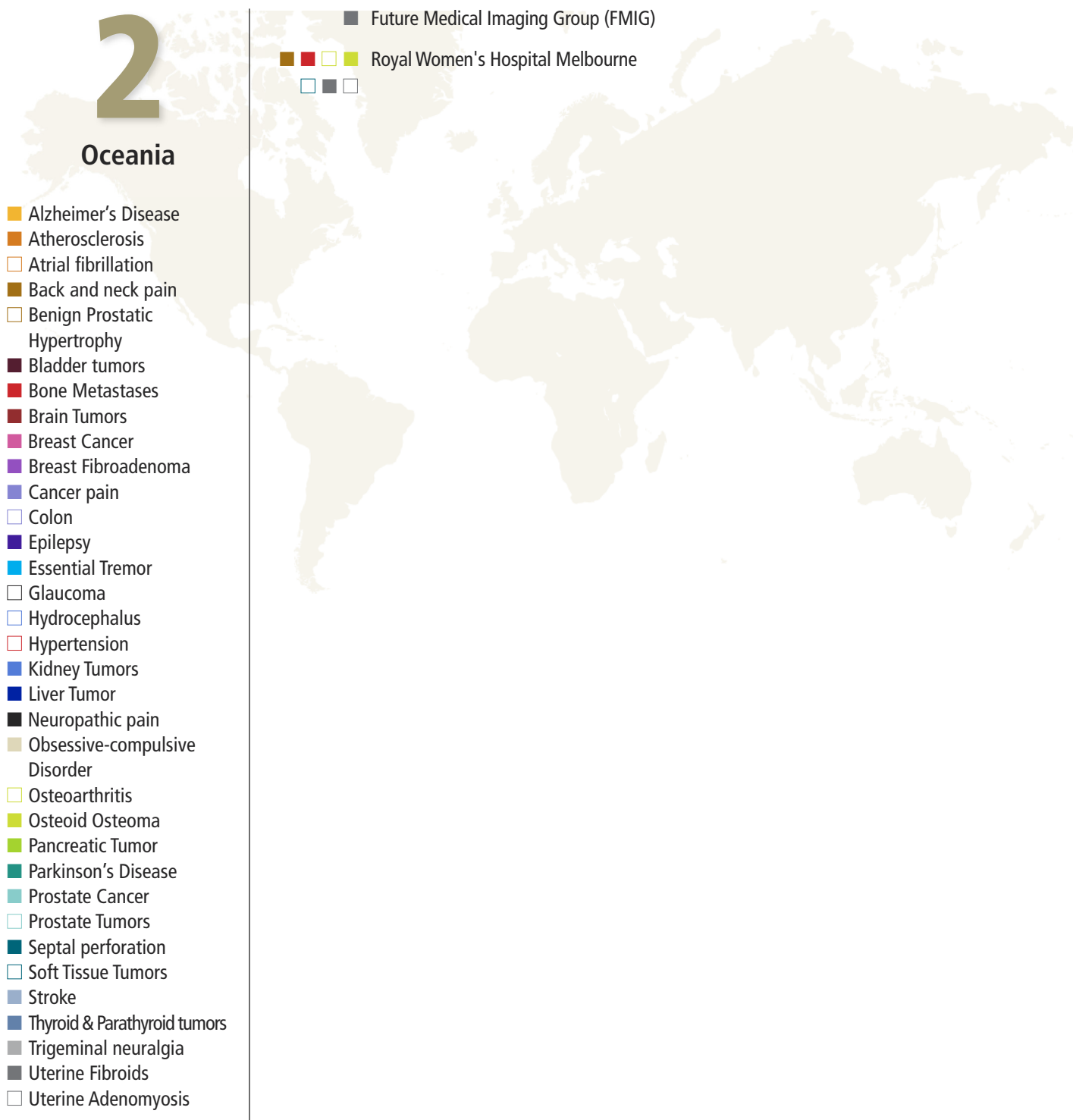
Pre-clinical Research Sites by Region



Any FUS research site conducting animal research.

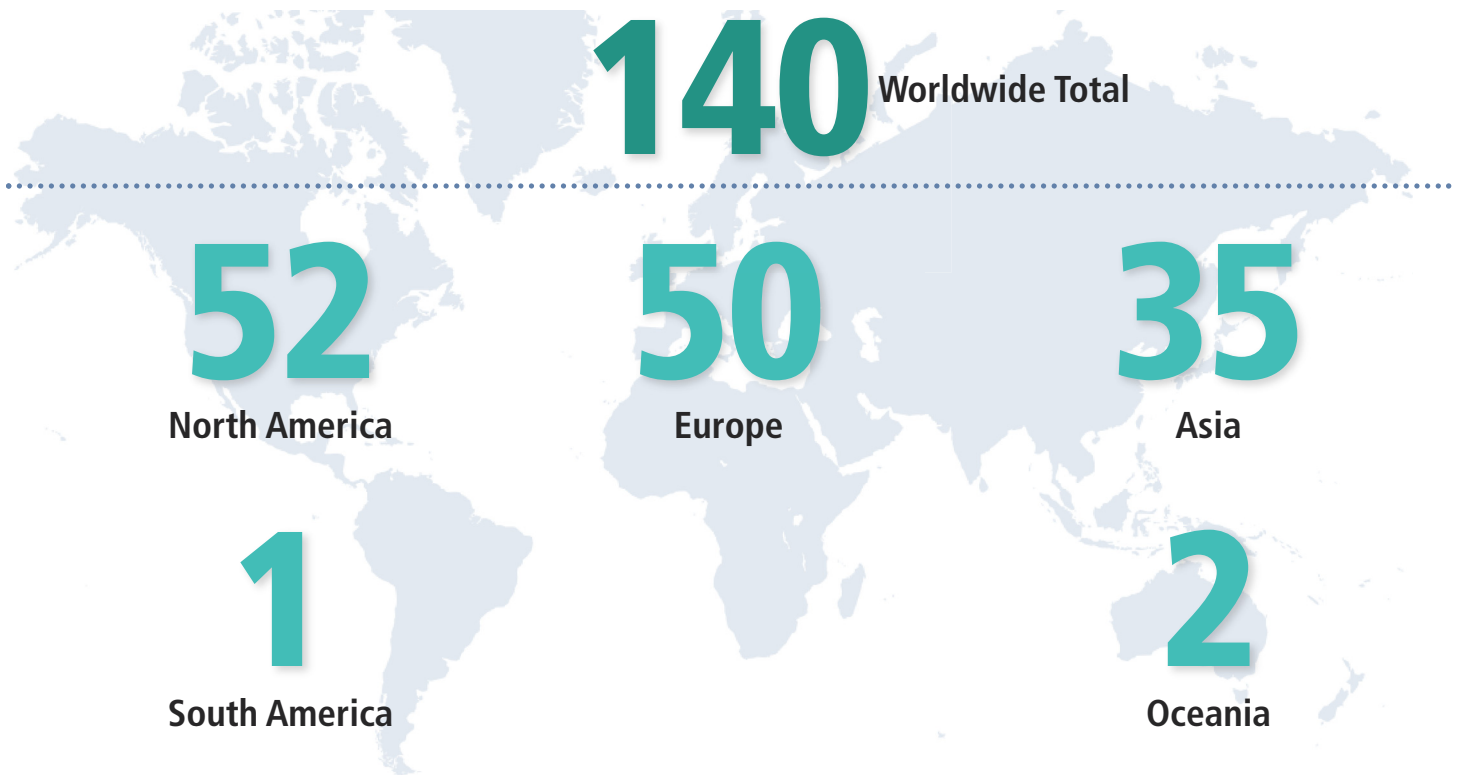


## Pre-clinical Research Sites by Region



Any FUS research site conducting animal research.

Clinical Research Sites by Region



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

## Clinical Research Sites by Region

52

### North America

- Alzheimer's Disease
- Atherosclerosis
- Atrial fibrillation
- Back and neck pain
- Benign Prostatic Hypertrophy
- Bladder tumors
- Bone Metastases
- Brain Tumors
- Breast Cancer
- Breast Fibroadenoma
- Cancer pain
- Colon
- Epilepsy
- Essential Tremor
- Glaucoma
- Hydrocephalus
- Hypertension
- Kidney Tumors
- Liver Tumor
- Neuropathic pain
- Obsessive-compulsive Disorder
- Osteoarthritis
- Osteoid Osteoma
- Pancreatic Tumor
- Parkinson's Disease
- Prostate Cancer
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- Stroke
- Thyroid & Parathyroid tumors
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- Uterine Fibroids
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- Can-Am HIFU
- CHI St. Luke's Health
- Children's National Hospital
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- Thunder Bay Regional Research Institute
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- William Beaumont Health Systems
- Winthrop University Hospital

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

## Clinical Research Sites by Region



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

Clinical Research Sites by Region

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Europe

- Alzheimer's Disease
- Atherosclerosis
- Atrial fibrillation
- Back and neck pain
- Benign Prostatic Hypertrophy
- Bladder tumors
- Bone Metastases
- Brain Tumors
- Breast Cancer
- Breast Fibroadenoma
- Cancer pain
- Colon
- Epilepsy
- Essential Tremor
- Glaucoma
- Hydrocephalus
- Hypertension
- Kidney Tumors
- Liver Tumor
- Neuropathic pain
- Obsessive-compulsive Disorder
- Osteoarthritis
- Osteoid Osteoma
- Pancreatic Tumor
- Parkinson's Disease
- Prostate Cancer
- Prostate Tumors
- Septal perforation
- Soft Tissue Tumors
- Stroke
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- Uterine Adenomyosis

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- ■ ■ ■ Brustzentrum Marienhospital Bottrop
- ■ ■ ■ Careggi General Hospital
- □ ■ □
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- Centre Hospitalier Regional Universitaire de Tours
- ■ ■ □ Centre Léon Bérard
- ■ ■ ■ Charité Universitätsmedizin Berlin
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- CHU de Bordeaux - Hôpital du Tondu
- CHU de Bordeaux—Hôpital Saint-André
- CHU de Toulouse - Hôpital Rangueil
- ■ ■ ■ Cisanello Hospital of University of Pisa
- □ ■
- Clinica oculistica Università – Ospedale oftalmico
- ■ ■ ■ European Institute of Oncology
- □ ■ □
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- Hospices Civils de Lyon
- Hospital Clínico San Carlos
- Hospital Universitario Marqués de Valdecilla (HUMV)
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- Instituto Cartuja
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- Ospedale Generale Regionale "Francis Miulli"
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- ■ ■ ■ St. Mary's Hospital
- ■ ■
- The Institute of Cancer Research (ICR)
- ■ ■ The Intervention Centre, Oslo University Hospital Rikshospitalet
- Thomayer University Hospital
- Università degli Studi di Parma
- ■ ■ ■ University Children's Hospital Zurich
- ■ ■ University Hospital of Endocrinology
- ■ ■ ■ University Hospital Schleswig-Holstein
- ■ ■ ■ University Medical Center (UMC) Utrecht
- ■ ■ ■ University of Heidelberg
- ■ ■ ■ University of L'Aquila
- ■ ■ ■ University of Munich
- ■ ■ ■ University of Rome – La Sapienza
- ■ ■ ■
- Urologische Universitätsklinik Magdeburg

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

## Clinical Research Sites by Region

# 35

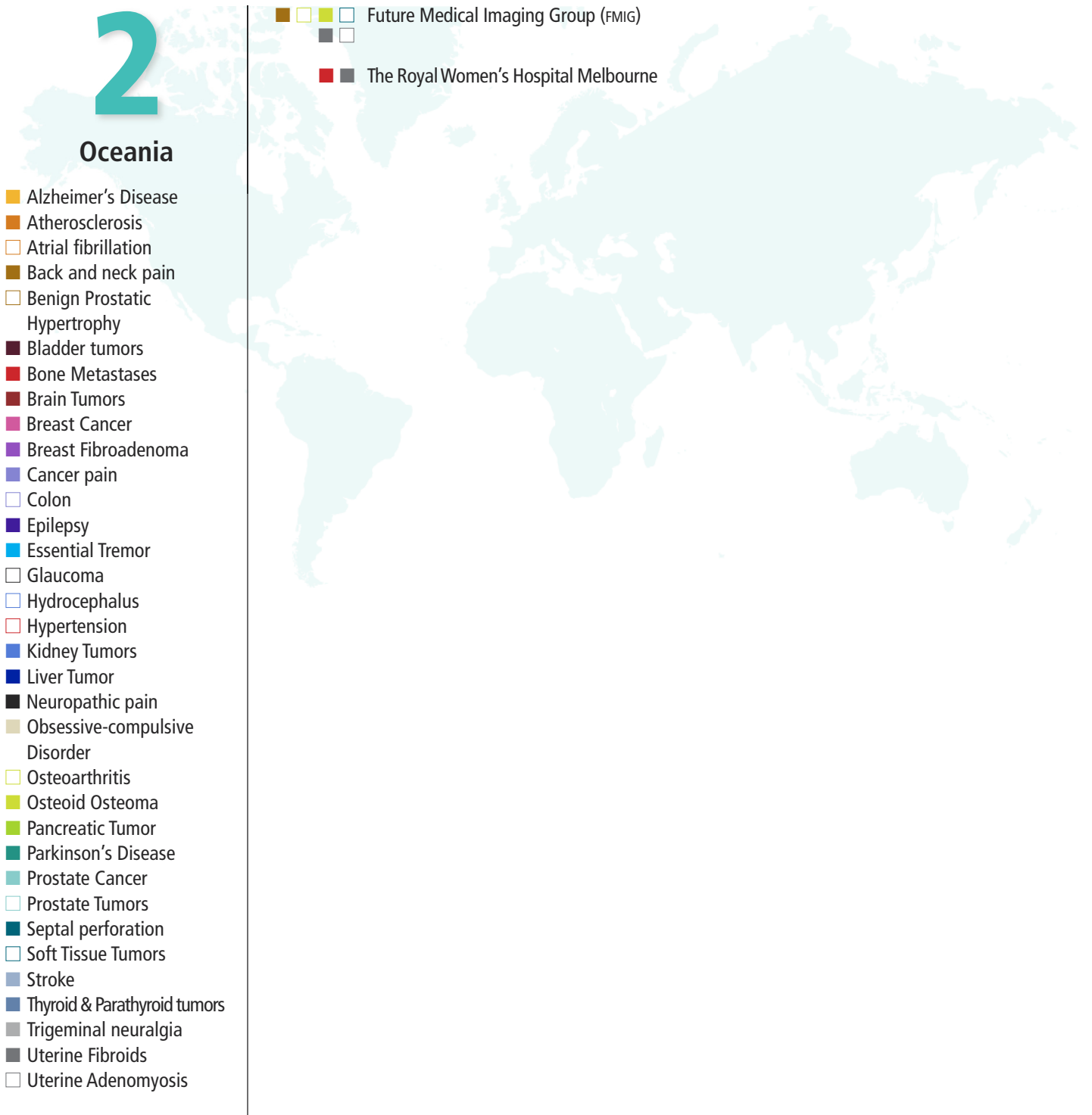
### Asia

- Alzheimer's Disease
- Atherosclerosis
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- Back and neck pain
- Benign Prostatic Hypertrophy
- Bladder tumors
- Bone Metastases
- Brain Tumors
- Breast Cancer
- Breast Fibroadenoma
- Cancer pain
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- Epilepsy
- Essential Tremor
- Glaucoma
- Hydrocephalus
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- Neuropathic pain
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- Osteoarthritis
- Osteoid Osteoma
- Pancreatic Tumor
- Parkinson's Disease
- Prostate Cancer
- Prostate Tumors
- Septal perforation
- Soft Tissue Tumors
- Stroke
- Thyroid & Parathyroid tumors
- Trigeminal neuralgia
- Uterine Fibroids
- Uterine Adenomyosis

- ■ ■ ■ 307 Hospital of the People's Liberation Army
- Apollo Specialty Hospital, Chennai
- Breastopia Namba Hospital
- Central Hospital of Shanghai Xuhui District
- □ CHA Bundang Medical Center
- ■ Chaim Sheba Medical Center
- □ Chaum Hospital
- ■ ■ ■ Children's Hospital of 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
- ■ ■ ■ Fudan University Cancer Hospital
- ■ ■ ■ GSL Medical College
- ■ ■ ■ HAIFU Hospital
- ■ ■ ■ Indraprastha Apollo Hospital
- ■ ■ ■ Institute of Ultrasonic Engineering in Medicine and Clinical Centre for Tumour Therapy
- ■ ■ ■ Jaslok Hospital and Research Centre
- ■ ■ ■ National Medical Research Center
- ■ ■ ■ Peking Union Hospital, Chinese Academy of Medical Sciences
- ■ ■ ■ Peking University First Hospital
- ■ ■ ■ PLA 301 Hospital (General Hospital of the People's Liberation Army)
- ■ ■ ■ Queen Mary Hospital of the University of Hong Kong
- Rambam Medical Center
- ■ Samsung Medical Center
- ■ Shinsuma General Hospital
- ■ SLR Diagnostics – Jankharia Imaging
- ■ ■ ■ Suining Central Hospital
- ■ Taipei Medical University 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
- Tokyo Women's Medical Hospital
- ■ ■ ■ University of Malaya (UMMC)
- ■ ■ ■ YUCM Severance Hospital
- ■ ■ ■ YUMC Gangnam Severance Hospital

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

## Clinical Research Sites by Region



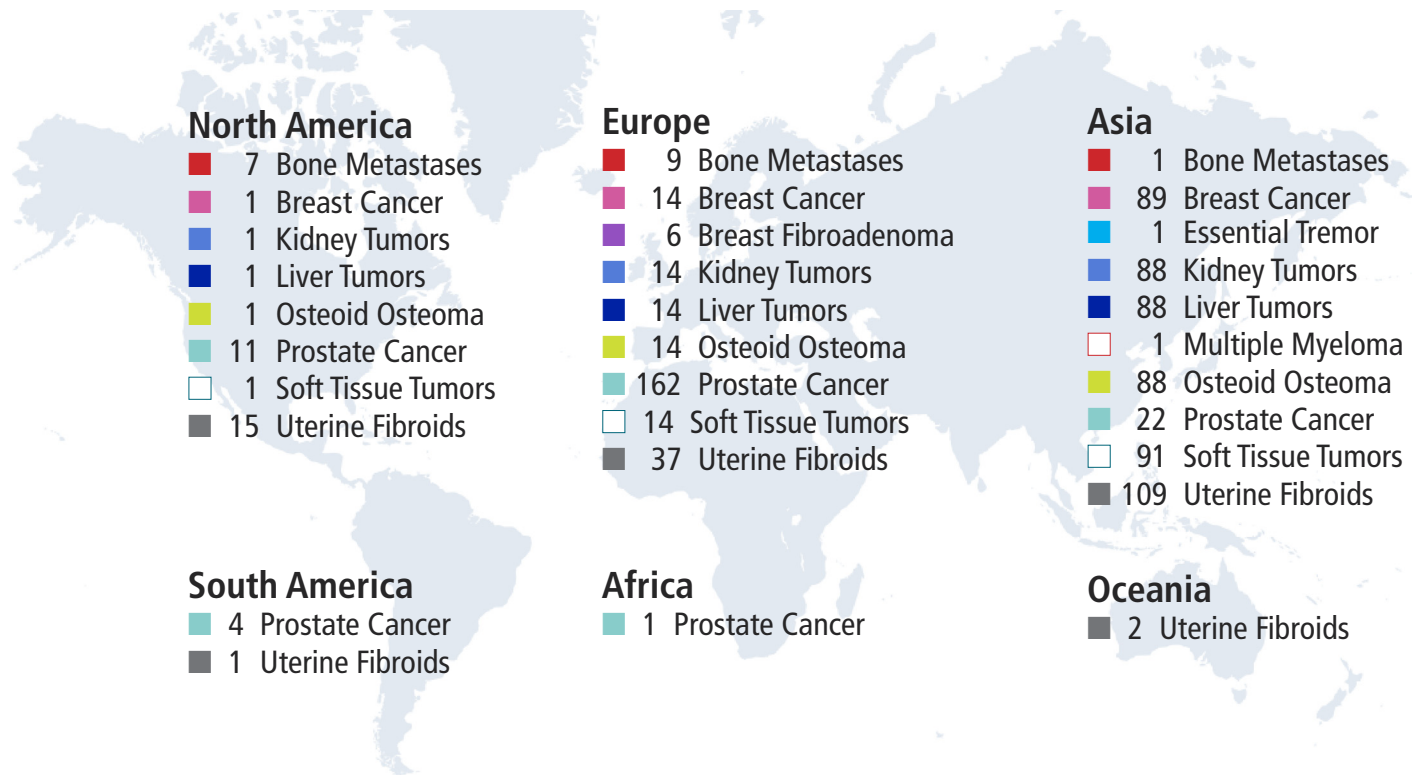
Any FUS research site treating patients as part of a clinical study.

## FUS Approvals by Region

Medical Condition	United States	Canada	Europe	Asia	Latin America	Middle East
<b>Adenomyosis</b>			✓			
<b>Bone</b>	✓	✓	✓	✓	✓	✓
<b>Breast Cancer</b>			✓	✓		
<b>Breast Fibroadenoma</b>			✓			✓
<b>Essential Tremor</b>			✓			✓
<b>Facet Rhizotomy</b>			✓			
<b>Hyperparathyroidism</b>			✓			
<b>Kidney Cancer</b>			✓	✓		
<b>Liver</b>			✓	✓		
<b>Neuropathic Pain</b>			✓			✓
<b>Osteoid Osteoma</b>			✓	✓		
<b>Pancreatic Cancer</b>			✓	✓		
<b>Parkinsonian Tremor</b>			✓			✓
<b>Prostate Cancer</b>		✓	✓	✓	✓	✓
<b>Thyroid Nodules</b>			✓			✓
<b>Uterine Fibroids</b>	✓	✓	✓	✓	✓	✓



Commercial Treatment Sites by Indications and Regions



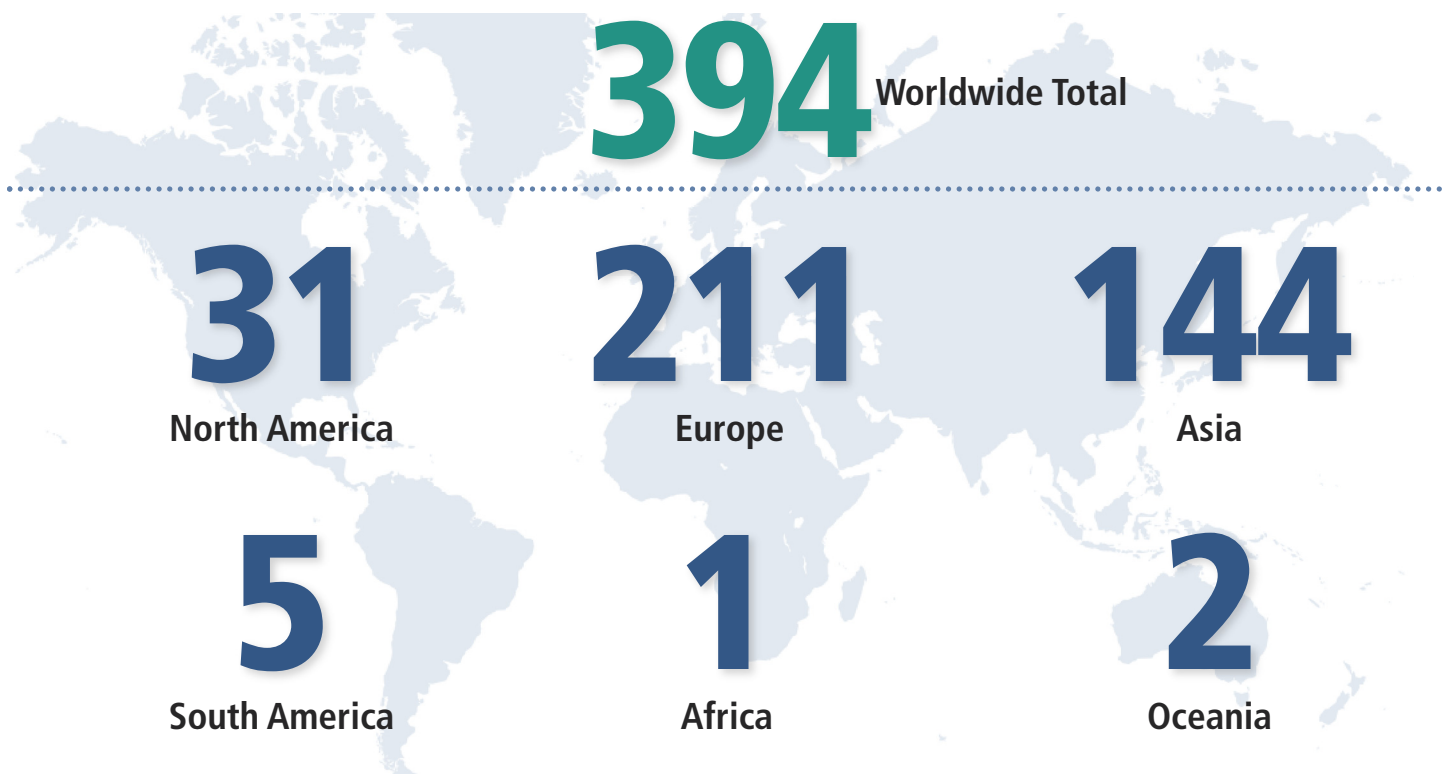
Any site with a focused ultrasound system and regulatory approval from the respective country and charging for procedures.

## Commercial Treatment Sites by Country



Any site with a focused ultrasound system and regulatory approval from the respective country and charging for procedures.

Commercial Treatment Sites by Region



Any site with a focused ultrasound system and regulatory approval from the respective country and charging for procedures.

Commercial Treatment Sites by Region

31

North America

- Brigham and Women's Hospital (BWH)
- Can-Am HIFU
- Center for Advanced Medicine
- City of Hope
- Cleveland Clinic Canada
- Clinica Union Medica
- Doctors Hospital
- Don Mills Surgical Unit
- Duke Health Center at Southpoint
- Focused Ultrasound Northwest
- Fox Chase Cancer Center
- Galenia Hospital
- Hospital CIMA San Jose
- Hospital Medical Surgical Research Center (CIMEQ)
- Imagen Por Resonancia
- King Edward VII Memorial Hospital
- Les Cours Medical Centre
- Mayo Clinic – Minnesota
- Medica Sur Talpan
- Memorial Sloan-Kettering Cancer Center
- Riverside Methodist Hospital
- San Javier Hospital Marina
- Stanford University Medical Center
- Stanford University School of Medicine
- Sunnybrook Health Sciences Centre
- Thunder Bay Regional Research Institute
- UCLA Ronald Reagan Medical Center
- University MRI & Diagnostic Imaging Centers – South
- University of California San Diego (UCSD)
- Thornton Hospital
- University of California San Francisco (UCSF)
- University of Virginia (UVA) Health System

5

South America

- Centro de urología avanzada de la Clínica Incor
- Hospital AC Camargo de São Paulo
- Hospital Carlos Andrade Marín
- Hospital Policia Nacional Guayaqui
- Instituto do Cancer do Estado de Sao Paulo (ICESP)

Any site with a focused ultrasound system and regulatory approval from the respective country and charging for procedures.

## Commercial Treatment Sites by Region

# 211

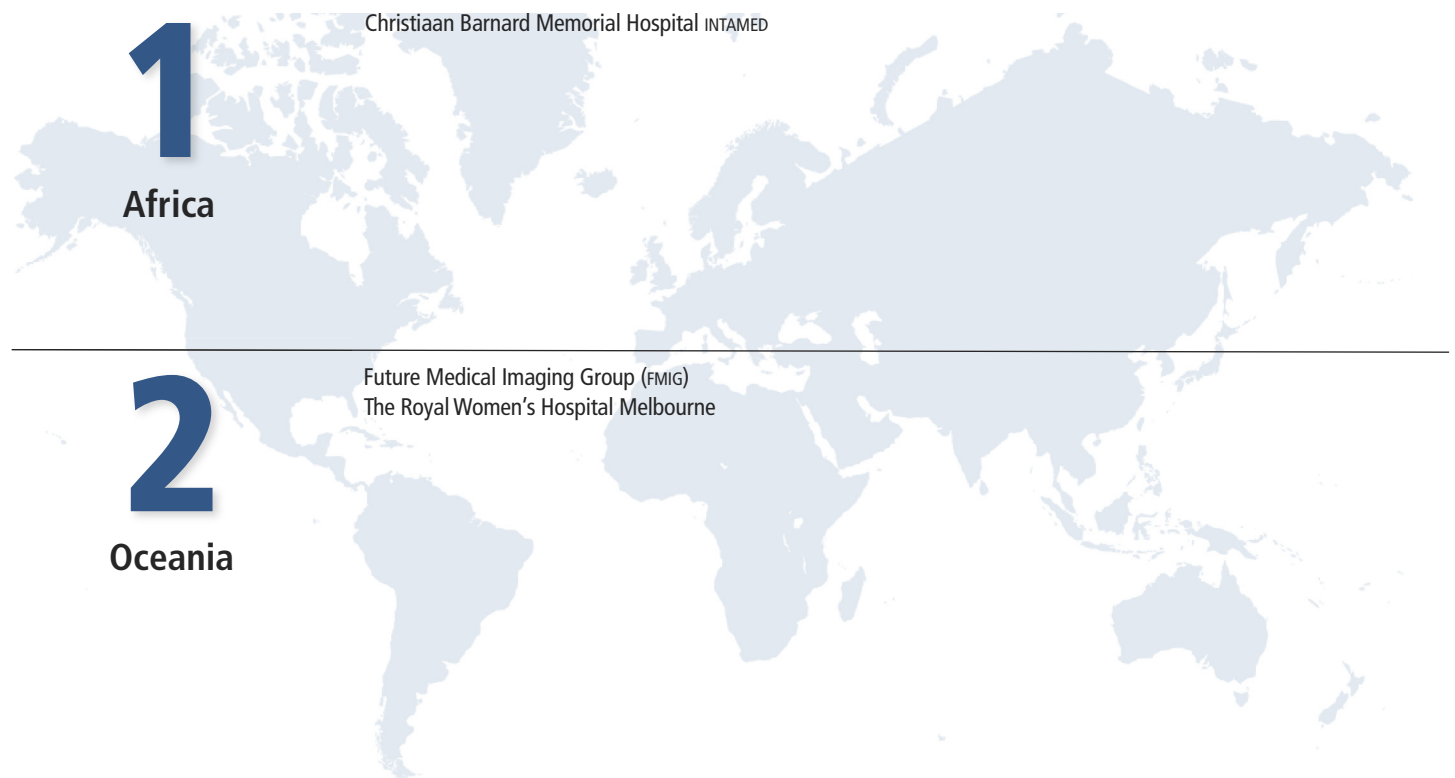
## Europe

- Aarhus University Hospital
- Agaplesion Diakoniekrankenhaus Hamburg
- Akademisches Lehrkrankenhaus der Universität Freiburg
- Algemeen Ziekenhuis Middelheim
- Alliance Medical, Italy
- Amper Klinik
- Amphia Ziekenhuis
- Asklepios Kliniken Weißenfels-Hohenmölsen GmbH
- Asklepios Klinik Uckermark
- Asklepios Paulinen Klinik
- Az. Osp. San Giovanni Battista – Le Molinette
- Azienda Ospedaliera ‘Di Venere – Giovanni XXIII’
- Azienda Ospedaliera A. Cardarelli
- Azienda Ospedaliera Sant’Andrea
- Azienda Ospedaliera S.Maria degli Angeli
- Azienda Ospedaliera Universitaria Tor Vergata
- Azienda Sanitaria Locale 21
- BMI Goring Hall Hospital
- BMI Highfield Hospital
- BMI The Kings Oak Hospital
- Brighton and Sussex University Hospital
- Brustzentrum Marienhospital Bottrop
- Careggi General Hospital
- Casa di Cura Abano Terme
- Casa di Cura Candela SpA
- Casa di Cura Columbus
- Casa di Cura Villa Serena
- CEMEDIDiagnostico por imagen
- Center for Ultrasound Functional Neurosurgery
- Center of Family Planning & Reproduction (CFPR)
- Central Bank Medical Center
- Central Institute of Traumatology and Orthopedics
- Centre Hospitalier de Chambéry
- Centre Hospitalier de La Rochelle – Hôpital Saint Louis
- Centre Hospitalier de Saintonge
- Centre Hospitalier Grace de Monaco
- Centre Hospitalier Nord de Marseille – CHU
- Centre Hospitalier Régional Universitaire de Lille
- Centre Hospitalier Regional Universitaire de Tours
- Centre Hospitalier Universitaire de Caen
- Centro Hospitalario Quirón
- Charité Universitätsmedizin Berlin
- CHRU de Guadeloupe – Hôpital les Abymes
- CHRU de Lille – Hôpital Huriiez
- CHRU de Strasbourg – Hôpital Civil
- CHU de Bâle
- CHU de Bordeaux – Hôpital du Tondu
- CHU de Bordeaux – Hôpital Saint-André
- CHU de Genève
- CHU de Limoges – Hôpital Dupuytren
- CHU de Nancy – Hôpital de Brabois
- CHU de Nice – Hôpital Pasteur
- CHU de Reims – Hôpital Robert Debré
- CHU de Rennes
- CHU de Rouen – Hôpital Charles Nicolle
- CHU de Toulouse – Hôpital Rangueil
- CHU de Tours – Hôpital Bretonneau
- CHU Nord Saint Etienne
- CHUV de Lausanne
- Cisanello Hospital of University of Pisa
- Clinica Virgen Blanca S.A.
- Clinical Diagnostis Center Zdorovie
- Clinique d’Alembert
- Clinique Beau Soleil
- Clinique De Montchoisi
- Clinique des Grangettes
- Clinique du Palais
- Clinique Generale Beaulieu
- Clinique Mutualiste Eugène André
- Clinique Saint Georges
- Clinique Saint-Michel
- Clinique Universitaire Saint-Luc (UCL)
- Clinique urologique Nantes Atlantis
- CROB IRCCS Rionero
- Diakonie-Klinikum Stuttgart
- Diakonie Krankenhaus Kreuznacher Diakonie
- DRK-Seepark Klinik Debstedt GmbH
- DTL Medica
- European Institute of Oncology
- Ev. Jung-Stilling-Krankenhaus
- Ev. Krankenhaus Göttingen-Weende e.V.
- Foligno Hospital
- Franciscus Ziekenhuis
- Franziskus-Krankenhaus
- Gemeinschaftspraxis für urologie
- GPR Gesundheits-und Pflegezentrum
- Rüsselsheim gGmbH-Klinikum
- Groupe Hospitalier Diaconesses Croix Saint-Simon
- HIFU Clinic – AMEDS Centrum
- HIFU Terramed Conformal Centre
- Hôpital Edouard Herriot
- Hôpital Foch
- Hôpital Jeanne de Flandre
- Hôpital Pitié-Salpêtrière
- Hôpital Tenon
- Hospital Gral. Universitario Gregorio Maranon
- Hospital of Mutua De Terrassa University
- IMEX
- INI Divisione Canistro
- INI Divisione Grottaferrata
- Institut Jules Bordet
- Institut Mutualiste Montsouris
- Instituto Cartuja
- John Radcliffe Hospital
- Kantonsspital Winterthur
- Kantonsspital Frauenfeld
- Katholisches Klinikum Essen GmbH
- Kiev City Oncology Hospital
- Klink für Prostata-Therapie GmbH
- Klinikum Fürth
- Klinikum Itzehoe
- Klinikum Konstanz
- Klinikum Nürnberg
- Klinik und Poliklinik für Urologie der Universität Regensburg am Caritaskrankenhaus St. Josef
- Krankenhaus der Barmherzigen Brüder Wien
- Krankenhaus Dresden-Friedrichstadt
- Krankenhaus Hietzing
- Krankenhaus Nordwest
- Laboratorio di Tecnologia Oncologica (LATO)
- HSR Giglio – Fondazione Istituto San Raffaele
- G. Giglio di Cefalù
- Loretto-Krankenhaus
- Main Military Clinical Burdenko’s Hospital
- Marienhospital Arnsberg GmbH
- Marien-Hospital Marl
- Medical Center of Central Bank of Russian Federation
- Military Medical Academy St. Petersburg
- Moniki
- Moscow City Clinical Hospital Botkin
- Moscow Regional Rehabilitation Center of Roszdrav
- Mount Alvernia Hospital
- N. N. Petrov Research Institute of Oncology
- National Medical Surgery Center
- Niguarda Hospital
- NIU of Urology
- Nottingham University City Hospital NHS Trust
- Nuova Villa Claudia
- Orenbourg Oncology Center
- Ospedale “Cardinal Massaia” di Asti
- Ospedale “Misericordia e Dolce” di Prato
- Ospedale di Gorizia
- Ospedale di Massa
- Ospedale di Nocera Inferiore Umberto I
- Ospedale San Bartolomeo di Sarzana
- Ospedale San Raffaele Giglio di Cefalù
- Ospedale Sant’ Anna di Como
- P.O. di Castellanza
- P.O di Este
- Paracelsus Klinik Golzheim
- Paracelsus Klinik Reichenbach GmbH
- Policlinica San Antonio
- Policlinico Gemelli
- Polyclinique Bordeaux Nord Aquitaine
- Polyclinique du Parc Rambot
- Polyclinique Jean Villar
- Princess Grace Hospital
- Radiologische Gemeinschaftspraxis
- Ramsay Springfield Hospital
- Research Center for Obstetrics, Gynecology and Perinatology of Russian Ministry of Health and Social Development
- ResoFus – Centre Medic Alomar
- Rome American Hospital
- Rostov Scientific Research Institute of Oncology
- Rotkreuzklinikum München
- Saint Marina Hospital
- Samara Oncoly Centre
- Sankt Katharinen Krankenhaus
- Saratov City Medical Academy
- Segeberger Kliniken
- Sora Cancer Centre
- Spire Parkway Hospital
- St. Antonius-Hospital
- St. Barbara Hospital
- St. Elisabethen-Krankenhaus der Katharina-Kasper gGmbH
- St. Elisabeth-Krankenhaus Köln-Hohenlind
- St. Elisabeth-Krankenhaus Leipzig
- St.-Josefs-Hospital GmbH
- St. Mary’s Hospital
- Städtisches Klinikum München
- Stepping Hill NHS Hospital
- St. Petersburg Oncology Dispanser
- Sussex Nuffield Hospital
- The Community Foundation Serving Richmond and Central Virginia
- The Essex Nuffield
- The HIFU Clinic Spire Gatwick Park Hospital
- The I. M. Sechenov Moscow Medical Academy (MMA)
- The Intervention Centre, Oslo University Hospital
- Rikshospitalet
- The King George Hospital NHS Trust
- The Princess Royal Hospital NHS Trust
- Theresienkrankenhaus Mannheim
- The Priory Hospital
- The Royal Free NHS Trust Hospital
- The Royal Surrey County Hospital NHS Trust
- The Wellington Hospital
- The Winterbourne Hospital
- Thomayer University Hospital
- TILAK Unternehmen Gesundheit
- Ufa Oncology Center
- Universitätsklinikum Bonn (University Hospital Bonn)
- Universitätsspital Basel
- Universitätsspital Nord
- University Children’s Hospital Zurich
- University College London Hospitals
- University Hospital, MR Center
- University Hospital of Endocrinology
- University Hospital Schleswig-Holstein
- University Medical Center (UMC) Utrecht
- University Medical Center Lubeck
- University of L’Aquila
- University of Oxford
- University of Rome – La Sapienza
- University of Vienna
- Urologisches Zentrum
- Urologische Universitätsklinik Heidelberg
- Zaans Medisch Centrum

Any site with a focused ultrasound system and regulatory approval from the respective country and charging for procedures.

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## Commercial Treatment Sites by Region



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## Commercial Treatment Sites by Region

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## Asia

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  
 Affiliated Hospital of Yokohama University  
 Aizu Chuo Hospital  
 Al Zahra Hospital  
 Baoji Maternal and Child Health Hospital  
 Beijing Cancer Hospital  
 Beijing Hospital  
 Bharat Scans Private Limited  
 Breastopia Namba Hospital  
 Central Hospital of Shanghai Xuhui District  
 CHA Bundang Medical Center  
 Chaim Sheba Medical Center  
 Chang Gung Memorial Hospital (Chiayi)  
 Chang Gung Memorial Hospital (Kaohsiung)  
 Chang Gung Memorial Hospital (Keelung)  
 Chang Gung Memorial Hospital (Linkou)  
 Chang Gung Memorial Hospital (Taipei)  
 Changhua Christian Hospital  
 Chaum Hospital  
 Chengdu Maternal and Child Health Center Hospital  
 Chengdu Shuangnan Hospital  
 Children's Hospital of Chongqing Medical University  
 China Medical University Beigang Hospital  
 Chongqing Three Gorges Central Hospital  
 City Hospital of Bincheng District in Binzhou City  
 Clinical E.T.  
 Clumax Diagnostics  
 Concept Medicare (India) Pvt Ltd.  
 Dalian Friendship Hospital  
 Dar al Shifaa Hospital  
 Daxian People's Hospital  
 Dengfeng People's Hospital  
 Ekaterinburg Regional Hospital N1/URAL Medical  
 Univercity Central Ural Region  
 Fifth People's Hospital of Nanchong City  
 First Affiliated Hospital, Zhengzhou University  
 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  
 Fortis Hospital  
 Fudan University Cancer Hospital  
 Fujian Provincial Hospital  
 Fukuoka Tokushukai Hospital  
 Fukuoka Tokushukai Medical Center  
 Fuling Center Hospital of Chongqing  
 Gazprom medical centre, omsk West Siberia Region  
 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  
 Hokuto Hospital  
 Hong-Kong Sanatorium & hospital  
 Hôpital Sacré Cœur  
 Huainan Eastern Hospital  
 Huabei Oil Field general hospital group  
 Huanggang Center Hospital  
 Hubei Maternal and Child Health Hospital  
 Incheon Christian Hospital  
 Incheon St. Mary's Hospital of the Catholic University  
 Institute of Ultrasonic Engineering in Medicine  
 and Clinical Centre for Tumour Therapy  
 Iseikai hospital  
 Itabashi Chuo Medical Center, Tokyo  
 Japan Affiliated Hospital of Chiba University  
 Jaslok Hospital and Research Centre  
 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  
 Kaoshiung Veterans General Hospital  
 Khanty-Mansysk Regional hospital North Siberia  
 King Fahad Medical City  
 King Khalid University Hospital  
 KK Women and Children's Hospital  
 Kochi University Hospital  
 Lianyungang Orient Hospital  
 Liaoning Fushun Cancer Hospital  
 Luoyang Center Hospital  
 Maternal and Child Health Hospital of Yubei District  
 Nanshi Hospital  
 National Kidney and Transplant Institute  
 National Medical Research Center  
 No. 91 Central Hospital of the Liberation Army  
 Nong Ken Hospital  
 Obstetric Hospital of Changchun

Peking Union Hospital, Chinese Academy of Medical Sciences  
 Peking Union Medical Center  
 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)  
 Primus Super Specialty Hospital  
 Queen Mary Hospital of the University of Hong Kong  
 Ramayya Pramila Urology Hospital  
 Rambam Medical Center  
 Russian Railways (RZD) Hospital Central Siberia  
 Samsung Medical Center  
 Sapporo Toho hospital  
 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  
 Shinsuma General Hospital  
 Sindh Institute of Urology and Transplantation  
 Singapore General Hospital  
 SRL Diagnostics – Jankharia Imaging  
 St. Peter's Hospital  
 Suining Central Hospital  
 Suining Hospital of Traditional Chinese Medicine  
 Sun Yat-Sen University Cancer Center  
 Sunrise Hospital  
 Taipei Medical University Hospital  
 The 452nd PLA Hospital  
 The Daqing Oil Field General Hospital Group  
 The First Affiliated Hospital of Chongqing Medical University  
 The First Affiliated Hospital of Wannan Medical College  
 The First People's Hospital of Shijiazhuang  
 The Fourth People's Hospital of Shenzhen  
 The Second Affiliated Hospital of Hebei Medical University  
 The Second Artillery General Hospital of Chinese PLA  
 The Sixth People's Hospital of Neijiang  
 The Tenth People's Hospital of Shanghai  
 The Third Xiangya Hospital of Central South University  
 Tung's Taichung MetroHarbor Hospital  
 University of Malaya (UMMC)  
 Women's Center India  
 Xiaoshan Birth Control Station  
 Xijing Hospital of The Fourth Military Medical University  
 Yamanashi University Medical Hospital  
 Yanbian Tianquan Hospital  
 Yongchuan Maternal and Child Health Hospital  
 Yonsei University College of Medicine  
 YUMC Gangnam Severance Hospital  
 Zibo Municipal Maternal & Children Health Hospital

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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:  
[progress@fusfoundation.org](mailto:progress@fusfoundation.org).