Focused Ultrasound A Global Perspective

Collaborative Network



7.31.2014

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.

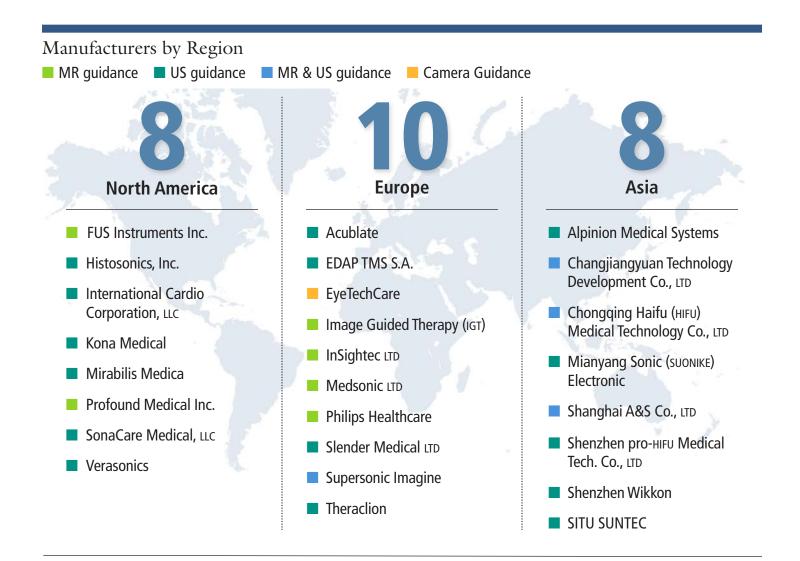
Focused ultrasound is approved in the US and EU and a number of other countries for treatment of uterine fibroids and approved in the EU and other countries for treatment of bone metastases and prostate cancer. In addition, extensive research is being conducted around the world on a number of clinical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

Charts by subjects

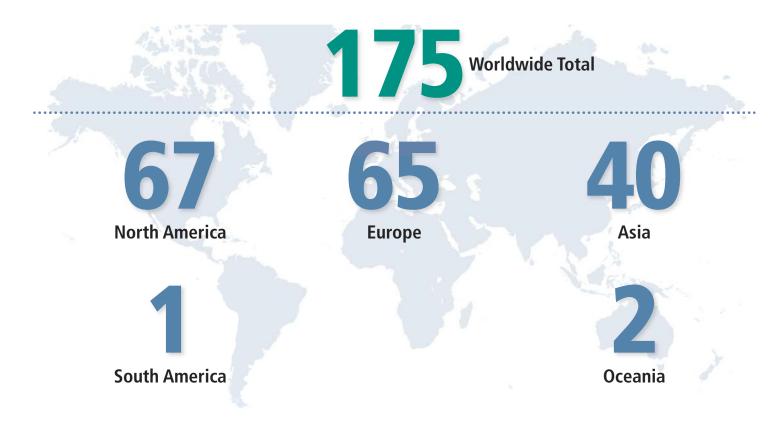
- 4 Manufacturers by Region
- 5 Research Sites
 - 5 By Region
 - 6 By Region: North America, South America
 - 7 By Region: Europe
 - 8 By Region: Asia, Oceania
- 9 Technical Research Sites
 - 9 By Region
 - 10 By Region: North America
 - 11 By Region: Europe
 - 12 By Region: Asia
- 13 Biological Effects Research Sites
 - 13 By Region
 - 14 By Region: North America
 - 15 By Region: Europe
 - 16 By Region: Asia
- 17 Pre-clinical Research Sites
 - 17 By Region
 - 18 By Region: North America
 - 19 By Region: Europe
 - 20 By Region: Asia
 - 21 By Region: Oceania

- 22 Clinical Research Sites
 - 22 By Region
 - 23 By Region: North America
 - 24 By Region: South America
 - 25 By Region: Europe
 - 26 By Region: Asia
 - 27 By Region: Oceania
- 28 Commercial Treatment
 - 28 FUS Approvals by Region
 - 29 By Region and Indications
 - 30 By Country
 - 31 By Region
 - 32 By Region: North America, South America
 - 33 By Region: Europe
 - 34 By Region: Africa, Oceania
 - 35 By Region: Asia

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.







Research Sites by Region



Artann Laboratories **Boston University** Brigham and Women's Hospital (BWH) Can-AmHIFU Children's National Hospital CHI St. Luke's Health City of Hope **Cleveland Clinic Columbia University Drexel University Duke University** Fox Chase Cancer Center Grand Strand Urology Indiana University Health, University Hospital 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 North Carolina State University NYP - Weill Cornell Medical Center Oregon Health and Science University ProMedica Toledo Hospital Southeast Urology Network Stanford University School of Medicine Sunnybrook Health Sciences Centre Swedish Neurosciences Institute The Hospital for Sick Children (SickKids) The Methodist Hospital

Thunder Bay Regional Research Institute **Tulane University** UCLA UCLA Ronald Reagan Medical Center 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 (usuc) 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 **UT** Southwestern Vanderbilt University Wake Forest University Baptist Medical Center Walter Reed National Military Medical Center William Beaumont Health Systems Winthrop University Hospital

Instituto do Cancer do Estado de Sao Paulo (ICESP)



Research Sites by Region

655 Europe

Amper Klinik Azienda Ospedalie

Azienda Ospedaliera San Paolo Basingstoke and North Hampshire Hospital Brustzentrum Marienhospital Bottrop Careggi General Hospital Center for Ultrasound Functional Neurosurgery Centre Léon Bérard Charité Universitätsmedizin Berlin сни de Bordeaux - Hôpital du Tondu сни de Bordeaux - Hôpital Saint-André сни de Lille - Hôpital Huriez сни de Toulouse - Hôpital Ranqueil сни de Tours - Hôpital Bretonneau **Churchill Hospital** 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 (EPSCI) Institut Mutualiste Montsouris Instituto Cartuja de Técnicas Avanzadas en Medicina 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 Perinatology of Russian Ministry of Health and Social Development Rostov Scientific Research Institute of Oncology Scuola Superiore Sant'Anna St. Guy's and St Thomas Hospital St. Mary's Hospital The Institute of Cancer Research (ICR) The Intervention Centre, Oslo University Hospital Rikshopitalet **Thomayer University Hospital** Università degli Studi di Parma Universitätsklinikum Tübingen University Children's Hospital Zurich University Hospital of Endocrinology University Hospital of Grenoble 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 **VTT** Technical Research Centre of Finland

Research Sites by Region



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 **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 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 Seoul National University Hospital Shinsuma General Hospital **SRL Diagnostics - Jankharia Imaging** Suining Central Hospital Taipei Medical University Hospital The First Affiliated Hospital of Chongging 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



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

Technical Research Sites by Region



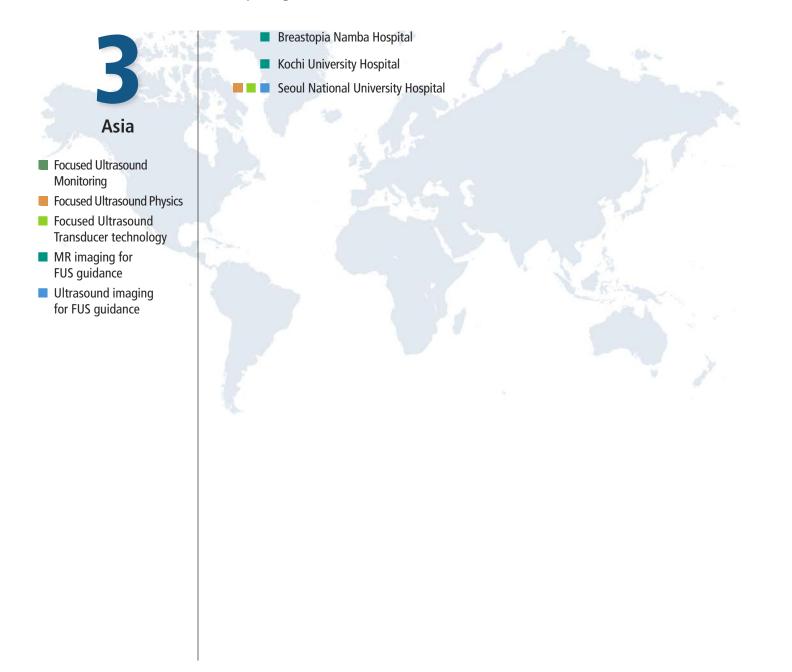
Technical Research Sites by Region and Areas



Technical Research Sites by Region and Areas



Technical Research Sites by Region and Areas



Biological Effects Research Sites by Region



Biological Effects Research Sites by Region



Biological Effects Research Sites by Region



Biological Effects Research Sits by Region and Areas



- Amplification of cancer biomarkers
- Blood brain barrier opening
- Blood vessel occlusion
- Cavitation
- Clot lysis
- Drug activity enhancement
- Drug delivery
- Hemostasis
- Hyperthermia
- Immunomodulation
- Increased vascular permeability
- Neuromodulation
- Radiation sensitization
- Sonodynamic therapy
- Stem cell delivery
- Tissue destruction (Histotripsy)
- Tissue destruction (Thermal Ablation)
- Vasodilatation

Kochi University Hospital
 Nanyang Technological University
 Samsung Medical Center

Chaim Sheba Medical Center

- University of Malaya (иммс)
 - Washokai Sadamoto Hospital

Pre-Clinical Research Sites



Any FUS research site conducting animal research.

Pre-clinical Research Sites by Region



Pre-clinical Research Sites by Region



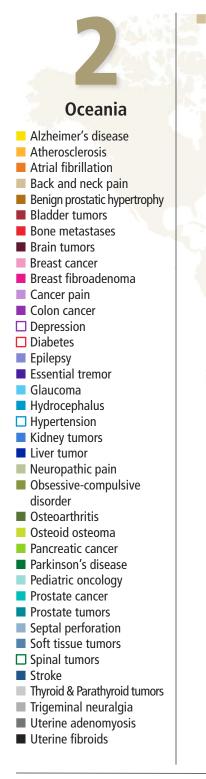
- Uterine fibroids
- Oterine fibroids

Pre-clinical Research Sites by Region



Any FUS research site conducting animal research.

Pre-clinical Research Sites by Region



Future Medical Imaging Group (FMIG)

Royal Women's Hospital Melbourne

Any FUS research site conducting animal research.



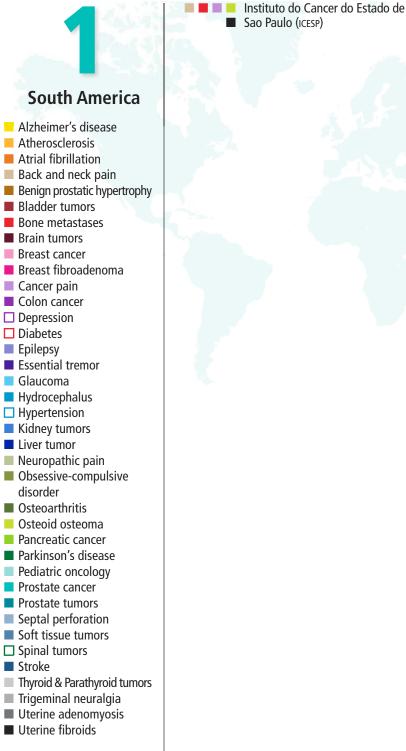
Any FUS research site treating patients as part of a clinical study.

Clinical Research Sites by Region

	Artann Laboratories	Thunder Bay Regional Research Institute
50	 Brigham and Women's Hospital (вwн) 	Tulane University
North America	Can-AmHIFU	
North America	Children's National Hospital	UCLA Ronald Reagan Medical Center
Alzheimer's disease		 University Hospitals of Cleveland Case
Atherosclerosis	🔳 сні St. Luke's Health	Medical Center
Back and neck pain	City of Hope	University MRI & Diagnostic Imaging
Benign prostatic hypertrophy	Cleveland Clinic	Centers - South
 Bladder tumors Bone metastases 	Duke University	University of California San Diego
Brain tumors		(UCSD) Thornton Hospital
Breast cancer	Grand Strand Urology	📕 📕 📕 University of California San Francisco
 Breast fibroadenoma Cancer pain 	Indiana University Health, University Hospital	(UCSF)
Colon cancer		University of Chicago
Depression	Jewish General Hospital	University of Cincinnati
 Diabetes Epilepsy 	Johns Hopkins University School of Medicine	University of Maryland School
Essential tremor		of Medicine
Glaucoma	London Health Sciences Centre (LHSC)	University of Michigan (UMich)
Hydrocephalus	Mayo Clinic - Minnesota	University of Texas MD Anderson
 Hypertension Kidney tumors 	Memorial Sloan-Kettering Cancer Center	Cancer Center
Liver tumor	Metropolitan Urology	📕 📕 📕 University of Virginia (UVA) Health
Neuropathic pain	Montefiore Medical Center	System
Obsessive-compulsive disorder	National Institutes of Health (NIH)	University of Wisconsin Carbone
Osteoarthritis		Cancer Center
Osteoid osteoma	New York University (NYU) Langone Medical Center and School of Medicine	Urologic Consultants of
 Pancreatic cancer Parkinson's disease 	NYP - Weill Cornell Medical Center	Southeastern Pennsylvania
Pediatric oncology		Urology Associates
Prostate cancer	Oregon Health and Science University	Urology Centers of Alabama
 Prostate tumors Septal perforation 	ProMedica Toledo Hospital	Urology of San Antonio
Soft tissue tumors	Southeast Urology Network	UT Southwestern
Spinal tumors	Stanford University School of Medicine	Vanderbilt University
 Stroke Thyroid & Parathyroid tumors 	Sunnybrook Health Sciences Centre	Walter Reed National Military
Trigeminal neuralgia	•	Medical Center
 Uterine adenomyosis Uterine fibroids 	Swedish Neurosciences Institute	William Beaumont Health Systems
	The Methodist Hospital	Winthrop University Hospital
		. , ,

Clinical Research Sites by Region

Sao Paulo (ICESP)



Clinical Research Sites by Region



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



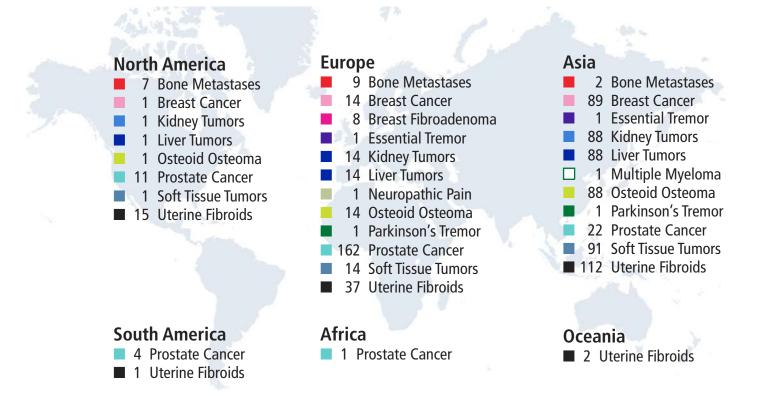
- Alzheimer's disease Atherosclerosis Atrial fibrillation Back and neck pain Benign prostatic hypertrophy Bladder tumors Bone metastases Brain tumors Breast cancer Breast fibroadenoma Cancer pain Colon cancer Depression Diabetes Epilepsy Essential tremor Glaucoma Hydrocephalus □ Hypertension
- Kidney tumors
- Liver tumor
- Neuropathic pain
- Obsessive-compulsive disorder
- Osteoarthritis
- Osteoid osteoma
- Pancreatic cancer
- Parkinson's disease
- Pediatric oncology
- Prostate cancer
- Prostate tumors
- Septal perforation
- Soft tissue tumors
- □ Spinal tumors
- Stroke
- Thyroid & Parathyroid tumors
- Trigeminal neuralgia
- Uterine adenomyosis
- Uterine fibroids

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

FUS Approvals	by Region
----------------------	-----------

Medical Condition	United States	Canada	Europe	Asia	Latin America	Middle East
Adenomyosis			√			
Bone	✓	√	√	√	✓	√
Breast Cancer			√	√		
Breast Fibroadenoma			√			√
Essential Tremor			√			\checkmark
Facet Rhizotomy			√			
Hyperparathyroidisim			√			
Kidney Cancer			√	√		
Liver			√	√		
Neuropathic Pain			√			√
Osteoid Osteoma			√	√		
Pancreatic Cancer			√	√		
Parkinson's Tremor			√			\checkmark
Prostate Cancer		\checkmark	√	√	✓	\checkmark
Thyroid Nodules			√			\checkmark
Uterine Fibroids	√	\checkmark	√	√	√	\checkmark

Commercial Treatment Sites by Indications and Regions



Commercial Treatment Sites by Country

North America	Europe		Asia
Bahamas	Austria	Poland	China
Bermuda	Belgium	Romania	India
Canada	Bulgaria	Russia	Israel
Costa Rica	Denmark	Spain	Japan
Cuba	France	Switzerland	Kazakhstan
Dominican Republic	Germany	Ukraine	Kingdom of Saudi Arabia
Mexico	Italy	United Kingdom	Lebanon
United States	Monaco		Malaysia
	The Netherlands		Pakistan
	Norway		Phillipines
			Republic of Korea
			Singapore
South America	Africa	Oceania	Syria
Bolivia	South Africa		- Taiwan
Brazil	Journ Anica	Australia	United Arab Emirates
Ecuador			Vietnam
ECUAUOI			



Commercial Treatment Sites by Region



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 Tlalpan Memorial Sloan-Kettering Cancer Center

Riverside Methodist Hospital San Javier Hospital Marina Stanford University Medical Center 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



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)

Commercial Treatment Sites by Region

Europe Aarhus University Hospital Agaplesion Diakonieklinikum Hamburg Akademisches Lehrkrankenhaus der Universitat Freibura Algemeen Ziekenhuis Middelheim Alliance Medical, Italy Amper Klinik Amphia Ziekenhuis Asklepios Kliniken Weißenfels-Hohenmölsen GmbH Clinique des Grangettes 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** вмі 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 CEMEDI Diagnostico por imagen Center for Ultrasound Functional Neurosurgery Center of Family Planning & Reproduction (CFPR) Central Bank Medical Center Central Institute of Traumatology and Orthopedics HIFU Terramed Conformal Centre Centre Hospitalier de Chambéry Centre Hospitalier de La Rochelle - Hôpital Saint LouisHôpital Foch 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 Huriez CHRU de Strasbourg - Hôpital Civil Instituto Cartuia

21

сни de Bâle сни de Bordeaux – Hôpital du Tondu сни de Bordeaux – Hôpital Saint-André сни de Genêve сни de Limoges – Hôpital Dupuytren сни de Nancy – Hôpital de Brabois сни de Nice - Hôpital Pasteur сни de Reims – Hôpital Robert Debré сни de Rennes сни de Rouen – Hôpital Charles Nicolle сни de Toulouse – Hôpital Rangueil сни de Tours - Hôpital Bretonneau сни Nord Saint Etienne сни v de Lausanne Cisanello Hospital of University of Pisa Clínica Virgen Blanca S.A. Clinical Diagnostis Center Zdorovie Clinique d'Alembert **Clinique Beau Soleil** Clinique De Montchoisi 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 Debstredt GmbH DTI 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 Pfegezentrum Rüsselsheim gGmbH-Klinikum Groupe Hospitalier Diaconesses Croix Saint-Simon HIFU Clinic - AMEDS Centrum Hôpital Edouard Herriot 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

John Radcliffe Hospital Kantonspital 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 Tecnologie Oncologiche (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 NII 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 Policlínica 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 aGmbH 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 Rikshopitalet 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 Universitatsspital 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



Commercial Treatment Sites by Region

46

Asia

307 Hospital of PLA Affiliated Hospital of Armed Police's Medical College Affiliated Hospital Of Chuanbei Medical College Affiliated Hospital of Oinghai 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 **Baoson Hospital Beijing Cancer Hospital Beijing Hospital** Bharat Scans Private Limited Breastopia Namba Hospital Cardinal Tien 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 Chongging Gazprom medical centre, OMSKWest 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 Coeur 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 KKWomen 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 Sichuan University Sindh Institue 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 Daging Oil Field General Hospital Group The First Affiliated Hospital of Chongging Medical University The First Affliated 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 (иммс) Women's Center India Xiaoshan Birth Control Station Xijing Hospital of The Fourth Military Medical University Yamanashi University Medical Hospital Yanbian Tianguan Hospital Yongchuan Maternal and Child Health Hospital Yonsei University College of Medicine YUMCGangnam Severance Hospital Zibo Municipal Maternal & Children Health Hospital



1230 Cedars Court, Suite F Charlottesville, VA 22903

www.fusfoundation.org

Contact Heather Huff-Simonin, MBA

Director, Global Business Development

434.326.9829 OFFICE progress@fusfoundation.org EMAIL

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.