
GLOSSARY OF TECHNICAL TERMS

In this prospectus, unless the context otherwise requires, explanations and definitions of certain terms used in this prospectus in connection with our Group and our business shall have the meanings set out below. The terms and their meanings may not correspond to standard industry meaning or usage of these terms.

“all-cause mortality”	all of the deaths that occur in a population, regardless of the cause, which is measured in clinical trials and used as an indicator of the safety or hazard of an intervention
“Abbott”	Abbott Laboratories, a U.S. multinational medical devices and health care company
“AltaValve”	AltaValve human mitral valve replacement medical device developed by 4C Medical. For details, see “Business—Our Product Portfolio—Mitral Valve Product”
“Amend”	Amend mitral valve repair annuloplasty Ring product developed by ValCare. For details, see “Business—Our Product Portfolio—Mitral Valve Product”
“aortic regurgitation” or “AR”	a condition where the aortic valve is not able to close completely, causing a backflow of blood from the aorta into the left ventricle during diastole
“aortic stenosis” or “AS”	the disability to fully open of the aortic valve caused by aortic valve lesions, due to congenital or acquired factors
“aortic valve”	the valve that prevents blood flowing back from aorta to left ventricle
“arrhythmia”	also known as cardiac arrhythmia or heart arrhythmia, is a group of conditions in which the heartbeat is irregular, too fast, or too slow
“atrial fibrillation”	an arrhythmia characterized by the rapid and irregular beating of the atrial chambers of the heart
“BAV”	bicuspid aortic valve, a valve abnormality which forms a bicuspid malformation rather than a tricuspid valve
“BSE”	bovine spongiform encephalopathy
“cardiomyopathy”	a group of diseases caused by various etiologies, which lead to myocardium pathological changes, and then lead to cardiac hypertrophy, dilation, fibrosis and other pathological changes
“Class IIIA Hospitals”	Top-level hospitals in China, as hospitals in China are divided into three classes by Ministry of Health, among

GLOSSARY OF TECHNICAL TERMS

	<p>which, Class III hospitals are at the highest level, typically having more than 500 beds, providing high-level specialist medical and healthcare services to several regions and performing advanced teaching and research tasks. Class III hospitals are divided into Special, A, B, and C grades</p>
“confirmatory study”	<p>a controlled clinical trial of a medical device product designed to demonstrate statistically significant clinical efficacy and safety of such product as used in human patients (in conjunction with the performance of a therapeutic procedure), for regulatory approval of such product</p>
“Corona”	<p>The Corona Mitral Valve Replacement System developed by ValCare. For details, see “Business—Our Product Portfolio—Mitral Valve Product”</p>
“CRO”	<p>contract research organization, a company that provides support to the pharmaceutical, biotechnology, and medical device industries in the form of research services outsourced on a contract basis</p>
“degenerative sclerosis”	<p>a degenerative changes caused by Valve calcification or rheumatic fever</p>
“distal flare”	<p>the flared tip located at the distal part of the delivery system of VitaFlow™ II</p>
“Edwards Lifesciences”	<p>Edwards Lifesciences Corporation, a U.S. medical equipment company specializing in artificial heart valves and hemodynamic monitoring</p>
“eligible hospitals for TAVI procedures”	<p>hospitals that can perform over 400 PCIs per year are considered as eligible hospitals for TAVI procedures</p>
“endocarditis”	<p>an inflammatory disease caused by the direct invasion of the endocardium by pathogenic microorganisms</p>
“EMA”	<p>the European Medicines Agency</p>
“feasibility study”	<p>a clinical trial of a medical device product designed to preliminarily demonstrate the safety of such product as used in human patients (in conjunction with the performance of a therapeutic procedure)</p>
“first-in-human”	<p>the first test on human subjects of an investigational medicinal product developed and assessed through in-vitro or animal testing</p>

GLOSSARY OF TECHNICAL TERMS

“Fr”	the abbreviation of French scale or French gage system, commonly used to measure the size of a catheter. The diameter of a round catheter in millimeters can be determined by dividing the French size by 3
“GCP”	good clinical practice, an international ethical and scientific quality standard for the performance of a clinical trial on medicinal products involving humans
“GMP”	good manufacturing practices, the aspect of quality assurance that ensures that medicinal products are consistently produced and controlled to the quality standards appropriate to their intended use and as required by the product specification
“Hanyu Medical”	Shanghai Hanyu Medical Technology Co., Ltd. (上海捍宇醫療科技有限公司), a PRC medical device company, primarily focusing in the field of cardiovascular
“ISO Class”	method of assessing level of cleanliness against a specification for a cleanroom or clean zone
“KOLs”	acronym for Key Opinion Leaders who are doctors that influence their peers’ medical practice, including but not limited to prescribing behavior
“LVOT”	left ventricular outflow tract, the portion of left ventricle chamber from the apex of the heart to aortic valve orifice
“mean aortic gradient”	one of the measures for evaluating the severity of aortic stenosis
“Medtronic”	a medical device company committing to medical technology, services and solutions, incorporated under the laws of Ireland
“mitral regurgitation” or “MR”	a condition where the mitral valve is not able to close completely, causing a backflow of blood from the left ventricle into the left atrium during ventricular systole
“mitral valve”	the valve that prevents the blood in left ventricle from flowing back to left atrium
“mmHg”	millimeter of mercury, a unit of measure for atmospheric pressure
“moderate regurgitation”	a grade of reverse blood flow resulting from insufficient valve closure, caused by functional or organic diseases of the heart valve

GLOSSARY OF TECHNICAL TERMS

“MRCT”	multi regional clinical trial
“MRI”	magnetic resonance imaging, a procedure that uses magnetism, radio waves, and a computer to create images of areas inside the body
“myocardial infarction”	myocardial infarction caused by acute and persistent ischemia and hypoxia in coronary arteries
“New York Heart Association Functional Classification” or “NYHA Classification”	a simple way of classifying the extent of heart failure provided by the New York Heart Association. It classifies patients in one of four categories based on their limitations during physical activity, in regards to normal breathing and varying degrees in shortness of breath and/or angina pain
“nitinol”	nickel titanium, a metal alloy of nickel and titanium, where the two elements are present in roughly equal atomic percentages
“orifice area”	the area of the orifice of heart valves, which is one of the measures for evaluating the severity of heart valve stenosis
“pacemaker implantation”	a common procedure where a pacemaker (which is an electronic device that prevents one’s heart from beating too slowly) is inserted just under the skin in the chest with wires attached to the heart
“PAV”	prosthetic aortic valve, the artificial valve of our TAVI products
“PCI”	percutaneous coronary intervention, refers to the treatment method of dredging the stenosis or even occluded coronary arteries through the cardiac intervention, so as to improve the myocardial blood flow
“Peijia Medical”	Peijia Medical Limited, a PRC-based medical device company focusing on the development and commercialization of TAVI medical devices and neurointerventional procedural medical device, whose shares are listed on the Main Board of the Stock Exchange (stock code: 9996)
“PET”	polyethylene terephthalate
“PI”	principal investigator
“pivotal clinical trial”	a clinical trial of a medical device product designed to demonstrate statistically significant clinical efficacy and safety of such product as used in human patients, for regulatory approval of such product

GLOSSARY OF TECHNICAL TERMS

“pulmonary hypertension”	a hemodynamic and pathophysiological condition, which means a rise in pulmonary artery pressure beyond a certain threshold can lead to right heart failure. It can be an independent disease, a complication, or a syndrome
“pulmonary valve”	the valve locates between the right ventricle and the pulmonary artery, which inhibits the blood from the pulmonary artery regurgitate to the right ventricle
“PVL”	paravalvular leakage, a complication associated with the implantation of a prosthetic heart valve through TAVI or SAVR
“Registration Clinical Trial”	the registration clinical trial in relation to VitaFlow™ II on 60 patients during 30-day follow-up study after implantation. For details, see “Business—Our Product Portfolio—Aortic Valve Product—VitaFlow™ II—Our Core Product”
“regurgitation”	reverse flow of blood caused by insufficient valve closure due to functional or organic diseases of the heart valve
“rheumatic fever”	an inflammatory disease that can develop when strep throat or scarlet fever is not properly treated
“SAVR”	surgical aortic valve replacement, a treatment of severe aortic stenosis through open-chest surgery
“SMO”	site management organization, an organization that provides clinical trial related services to medical device companies having adequate infrastructure and staff to meet the requirements of the clinical trial protocol
“sq.m.”	square meter, a unit of area
“STS Score”	Society of Thoracic Surgery risk score or percentage point, a validated risk-prediction model for open surgery, the higher value of which indicates the higher risk of patients to conduct a surgery
“Suzhou Jiecheng”	Suzhou Jiecheng Medical Technology Co., Ltd. (蘇州杰成醫療科技有限公司), a PRC company focusing on the development and manufacturing of TAVI products
“TAV”	transcatheter aortic valve, which refers to treatment methods for aortic valve diseases through transcatheter approach
“TAVI”	transcatheter aortic heart valve implantation, a catheter-based technique to implant a new aortic valve in a minimally invasive procedure that does not involve open- chest surgery to correct severe aortic stenosis

GLOSSARY OF TECHNICAL TERMS

“Top 20 TAVI Hospitals”	the 20 hospitals that are expected to perform the most TAVI procedures in China in 2020, according to Frost & Sullivan, including: West China Hospital of Sichuan University (四川大學華西醫院), The First Affiliated Hospital of Air Force Medical University (Xijing Hospital) (空軍軍醫大學第一附屬醫院 (西京醫院)), Fuwai Hospital of Chinese Academy of Medical Sciences (中國醫學科學院阜外醫院), Zhongshan Hospital, Fudan University (復旦大學附屬中山醫院), The Second Affiliated Hospital of Zhejiang University School of Medicine, (浙江大學醫學院附屬第二醫院), Beijing Anzhen Hospital, Capital Medical University (首都醫科大學附屬北京安貞醫院), Guangdong General Hospital (廣東省人民醫院), Wuhan Asia Heart Hospital (武漢亞洲心臟病醫院), Tianjin Chest Hospital (天津市胸科醫院), The Affiliated Hospital of Qingdao University (青島大學附屬醫院), Changhai Hospital of Shanghai (上海長海醫院), Sir Run Run Shaw Hospital, Zhejiang University School of Medicine (浙江大學醫學院附屬邵逸夫醫院), The First Affiliated Hospital of Zhengzhou University (鄭州大學第一附屬醫院), Fuwai Central China Cardiovascular Hospital (阜外華中心血管病醫院), Fujian Medical University Union Hospital (福建醫科大學附屬協和醫院) The First Affiliated Hospital of Zhejiang University School of Medicine (浙江大學醫學院附屬第一醫院), The Second Affiliated Hospital of Army Medical University of PLA (Xinqiao University) (解放軍陸軍軍醫大學第二附屬醫院 (新橋醫院)), Nanjing First Hospital (南京市第一醫院), The First Hospital of Lanzhou University (蘭州大學第一醫院) and Henan Provincial Chest Hospital (河南省胸科醫院)
“TMV”	transcatheter mitral valve, which refers to treatment methods for mitral valve diseases through transcatheter approach
“TMV repair”	transcatheter mitral valve repair, a catheter-based technique to repair the mitral valve in an interventional procedure that does not involve open-chest surgery
“TMV replacement”	transcatheter mitral valve replacement, a catheter-based technique to implant a new mitral valve in an interventional procedure that does not involve open-chest surgery
“transfemoral approach”	an approach of TAVI procedure, with the femoral artery as the entry point of the new valve. The femoral artery is accessed in the groin without an incision but with a needle, catheter and long wires allowing access to the diseased valve. The delivery system is then placed over the long wires into the proper position and the new valve is deployed with the aid of X-rays and an echocardiogram

GLOSSARY OF TECHNICAL TERMS

“tricuspid regurgitation” or “TR”	a condition where the tricuspid valve is not able to close completely, causing a backflow of blood from the right ventricle to the right atrium during systole
“tricuspid valve”	the valve that prevents the blood in right ventricle from flowing back to right atrium
“Trivid”	The Trivid Tricuspid Valve Repair Product developed by ValCare. For details, see “Business—Our Product Portfolio—Tricuspid Valve Products”
“TTV”	transcatheter tricuspid valve, which refers to treatment methods for tricuspid valve diseases through transcatheter approach
“TTVR”	transcatheter tricuspid valve repair, a catheter-based technique to implant a new tricuspid valve in an interventional procedure that does not involve open-chest surgery
“TVT”	transcatheter valve therapy, the treatment of valvular heart diseases (such as aortic valve disease, mitral valve disease and tricuspid valve disease) through transcatheter approach, which includes TAVI, TMV repair/replacement and TTVR
“valvular heart diseases”	due to congenital dysplasia or other diseases, anatomical or functional abnormalities of the heart valve and its accessory structures are caused, resulting in acute or chronic stenosis and/or insufficient closure of single or multiple valves
“ventricular diastole”	the period during which the two ventricles are relaxing from the contortions/wringing of contraction, then dilating and filling
“Venus MedTech”	Venus Medtech (Hangzhou) Inc. (杭州啓明醫療器械股份有限公司), a PRC medical device company focusing on the development and commercialization of TVT medical devices, whose shares are listed on the Main Board of the Stock Exchange (stock code: 2500)
“VitaFlow™”	unless the context indicates otherwise, “VitaFlow™” refers to the VitaFlow™—Valve transcatheter aortic valve implantation system, which comprises of a PAV, a motorized delivery system and certain procedural accessories. VitaFlow™ is our key product
“VitaFlow™ II”	unless the context indicates otherwise, “VitaFlow™ II” refers to the VitaFlow™ II—Valve transcatheter aortic valve

GLOSSARY OF TECHNICAL TERMS

implantation system, which comprises of a PAV, a motorized delivery system and certain procedural accessory. VitaFlow™ II is our Core Product