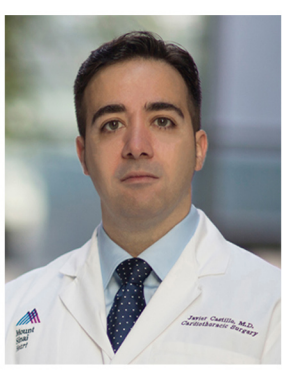
Salud eNEWSLETTER Cardiovascular

PUBLICATION OF THE HISPANIC HEART CENTER AT THE MOUNT SINAI HOSPITAL

HISPANIC HEART CENTER | Mount Sinai

No 12 - JUNE 2019

World Class Cardiovascular Care for the Hispanic Community | www.hispanicheartcenter.org



Dear All,

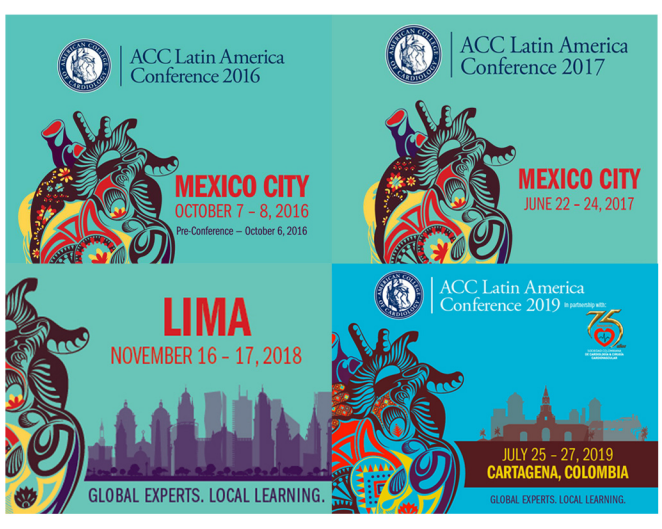
Welcome to our monthly e-newsletter. The Pritzker Prize-winning architect, I.M. Pei, completed the Guggenheim Pavilion at The Mount Sinai Hospital in 1992. Inspired by the Louvre Pyramid in Paris, his design brought natural light to a healthcare building for the first time. Since then, our patients enjoy his iconic work during hospital admission.

Javier Castillo, MD
Director, Hispanic Heart Center

Estimados todos,

Bienvenidos a nuestro boletín electrónico mensual. El reputado arquitecto I.M. Pei, ganador del premio Pritzker, completó el Guggenheim Pavilion en 1992. Inspirado por la pirámide del Louvre en Paris, su diseño incorpora superficies planas y mucha luz natural. Desde entonces, muchos pacientes disfrutan de esto durante su estancia hospitalaria.

Javier Castillo, MD
Director, Hispanic Heart Center



ACC Latin America Conference 2019

CARTAGENA DE INDIAS | COLOMBIA

The American College of Cardiology and the Colombian Society of Cardiology and Cardiovascular Surgery have created an innovative educational experience to critically examine current evidence-based strategies and clinical decision-making. Doctors Hector Michelena (Mayo Clinic) and Miguel Urina Triana (University Hospital of Barranquilla), 2019 conference co-chairs, are leading a multidisciplinary planning committee to design a state-of-the-art cardiovascular event. Doctor Javier Castillo is the pathway leader for surgery. The final conference program is now available online at www.acc2019.scc.org.co

Congreso Interamericano de Cardiologia - SIAC

PUNTA CANA | REPUBLICA DOMINICANA

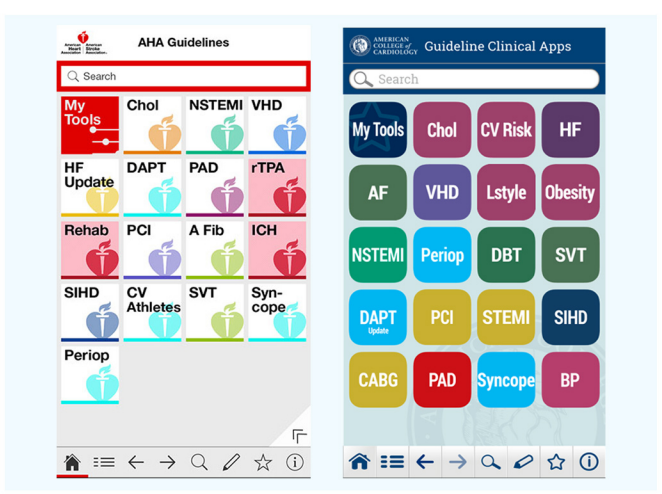
The XXVII annual meeting of the *Sociedad Interamericana de Cardiologia* gathered in Punta Cana (Dominican Republic) over 5000 cardiovascular specialists. The meeting has become the world largest cardiovascular conference in Spanish. Doctor Javier Castillo led several sessions and round tables on management of mitral valve disease. In addition, the Hispanic Heart Center was represented in debates on management of stable coronary artery disease and left main disease. All Spanish-speaking countries were present at the event through their respective cardiovascular societies.

Download the Guide for Patients and Families

NEW YORK | NEW YORK

Downloading *Cirugia Cardiovascular, Guia Completa para Pacientes y Familiares* is now easier than ever. We are striving to help patients and physicians as much as possible, thus promoting a higher adoption and better patient engagement.

1) Go to www.hispanicheartcenter.org
2) Click on *Portal del Paciente*
3) Scroll down to *Para Pacientes*
4) Find the PDF of your interest



The 2019 AHA & ACC Guideline Apps Now Available

NEW YORK | NEW YORK

The 2019 Guideline Apps are the most updated mobile home of content and tools for cardiovascular clinicians. All guideline recommendations, targeted summaries, and tools such as risk scores, calculators and algorithms can be quickly accessed on your mobile device anytime, anywhere. The Apps are updated periodically throughout the year. Apps are available for free in the iTunes (iPhone, iPad) and Google Play (Galaxy, Nexus, other Android devices) stores. Find more tools and practice support at www.acc.org/tools-and-practice-support/mobile-resources

The Hispanic Heart Center at AEMEF 2019

VIGO | SPAIN

The annual meeting of the *Asociacion Española de Medicos de Equipos de Futbol* took place on May 23rd in Vigo, Spain. The symposium gathered physicians from Spanish professional soccer teams to discuss current concepts on Sports Medicine, Podiatric Care, Orthopedics, Sports Cardiology, and Preventive Medicine. Doctor Javier Castillo talked about "Sports Cardiology for Professional Athletes: Moving towards an In-Field Analysis"

Making an Impact on Patient Education

Structural heart disease is our specialty. We strive to proceed with a thorough history for evaluation of causes and symptoms, accurate assessment of the severity of the valvular abnormality by examination, pertinent diagnostic testing, and complete quantification of the severity of valve dysfunction and benefit of each potential therapeutic intervention. We have adapted, simplified, and fully translated the guidelines to improve and maximize patient understanding about indications and timing.

Primary Severe Mitral Regurgitation | Insuficiencia Mitral Severa Primaria

SYMPTOMS SINTOMAS	LVEF FEVI	LVESD DTSVI	OTHER CONDITIONS OTRAS CONDICIONES	RECOMMENDATION RECOMENDACION	CLASS CLASE
✓	>30%	-	-	Mitral valve surgery (mitral valve repair >>> mitral valve replacement) Cirugia valvular mitral (reparación valvular mitral >>> reemplazo valvular mitral)	I
✓	≤30%	-	-	Mitral valve surgery (mitral valve repair >>> mitral valve replacement) Cirugia valvular mitral (reparación valvular mitral >>> reemplazo valvular mitral)	IIb
✓	≤30%	-	Prohibitive risk Riesgo prohibitivo	Transcatheter mitral valve repair Reparación valvular mitral transcatéter	IIb
-	30%-60%	-	-	Mitral valve surgery (mitral valve repair >>> mitral valve replacement) Cirugia valvular mitral (reparación valvular mitral >>> reemplazo valvular mitral)	I
-	-	>40mm	-	Mitral valve surgery (mitral valve repair >>> mitral valve replacement) Cirugia valvular mitral (reparación valvular mitral >>> reemplazo valvular mitral)	I
-	>60%	<40mm	-	Mitral valve surgery if likelihood of repair is >95% (heart valve centers of excellence) Cirugia valvular mitral si la probabilidad de reparación es >95% (centros de excelencia)	IIa
-	>60%	<40mm	Progressive LVD Progresión de DVI	Mitral valve surgery (mitral valve repair >>> mitral valve replacement) Cirugia valvular mitral (reparación valvular mitral >>> reemplazo valvular mitral)	IIa
-	>60%	<40mm	New onset of AF Inicio de FA	Mitral valve surgery if likelihood of mitral valve repair >>> mitral valve replacement Cirugia valvular mitral si la probablidad de reparación mitral >>> reemplazo mitral	IIa
-	>60%	<40mm	SPAP >50mmHg PSAP >50mmHg	Mitral valve surgery if likelihood of mitral valve repair >>> mitral valve replacement Cirugia valvular mitral si la probablidad de reparación mitral >>> reemplazo mitral	IIa

I Strong: Benefit >>> Risk | IIa Moderate: Benefit >> Risk | IIb Weak: Benefit ≥ Risk

AF: atrial fibrillation, DTSVI: diámetro telesistólico del ventriculo izquierdo, DVI: disfunción del ventrículo izquierdo, FA: fibrilación auricular, FEVI: fracción de eyección del ventrículo izquierdo, LVD: left ventricular dysfunction, LVEF: left ventricular ejection fraction, LVESD: left ventricular end-systolic dimension, PSAP: presión sistólica de la arteria pulmonar, SPAP: systolic pulmonary artery pressure

Nishimura RA et al. 2017 AHA/ACC Guideline for the Management of Patients With Valvular Heart Disease: A Report of the American College of Cardiology/American Heart Association Task Force on Clinical Practice Guidelines. J Am Coll Cardiol. 2017;70(2):252-289

Severe Aortic Stenosis | Estenosis Aórtica Severa

DEGREE GRADO	SYMPTOMS SINTOMAS	LVEF FEVI	OTHER CONDITIONS OTRAS CONDICIONES	RECOMMENDATION RECOMENDACION	CLASS CLASE
Severe Severa	✓	-	-	Aortic valve replacement Reemplazo valvular aórtico	I
Severe Severa	-	<50%	-	Aortic valve replacement Reemplazo valvular aórtico	I
Severe Severa	-	-	Underoging other Sx Recibe otra cirugia	Aortic valve replacement Reemplazo valvular aórtico	I
Severe Severa	-	-	Abnormal ETT PE anormal	Aortic valve replacement Reemplazo valvular aórtico	IIa
Severe Severa	-	-	V_{max} ≥5 m/s ΔP_{mean} ≥60 mmHg	Aortic valve replacement in the setting of low surgical risk Reemplazo valvular aórtico si el riesgo quirúrgico es bajo	IIa

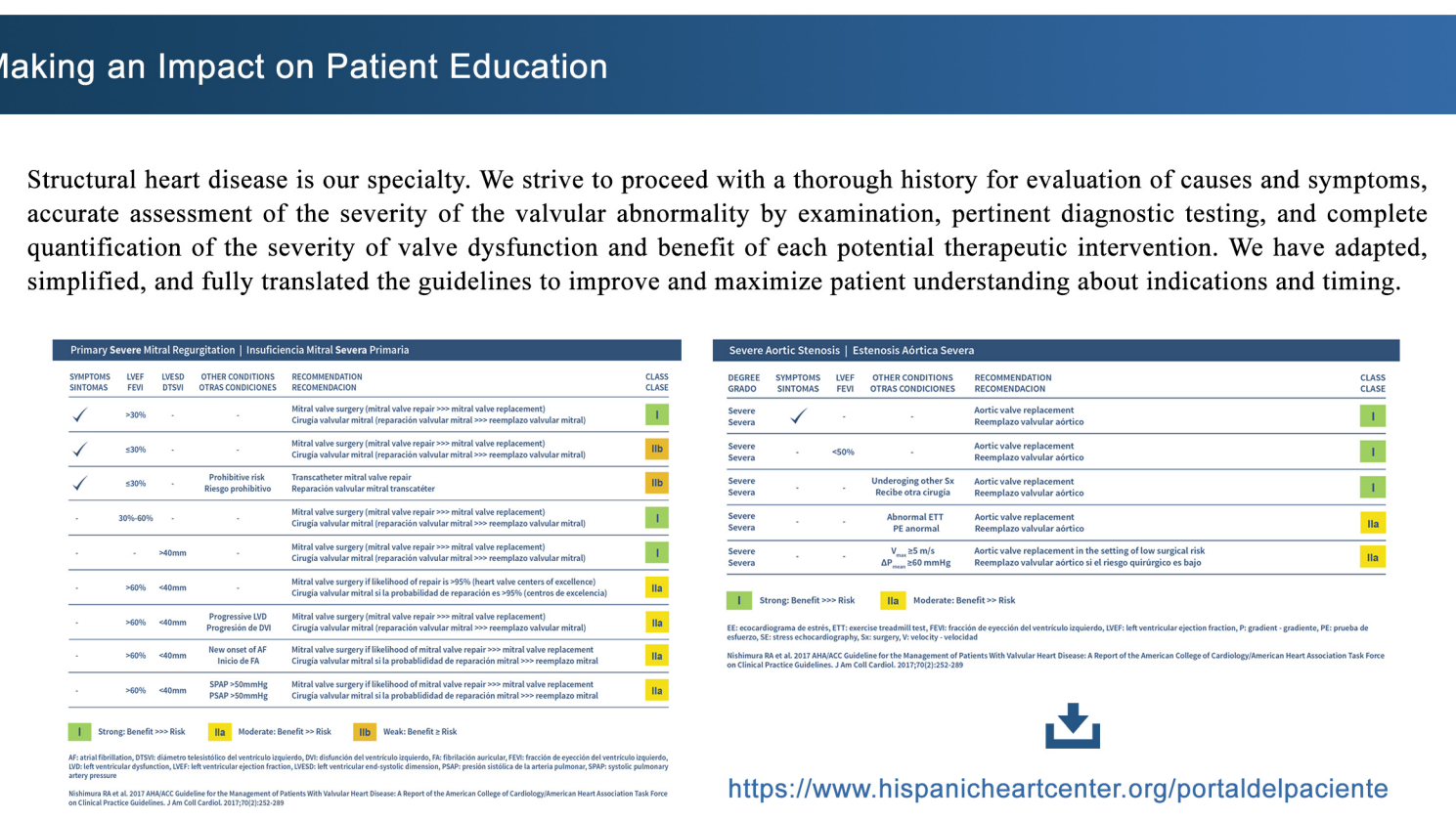
I Strong: Benefit >>> Risk | IIa Moderate: Benefit >> Risk

EE: ecocardiograma de estrés, ETT: exercise treadmill test, FEVI: fracción de eyección del ventrículo izquierdo, LVEF: left ventricular ejection fraction, P: gradient - gradiente, PE: prueba de esfuerzo, SE: stress echocardiography, Sx: surgery, V: velocity - velocidad

Nishimura RA et al. 2017 AHA/ACC Guideline for the Management of Patients With Valvular Heart Disease: A Report of the American College of Cardiology/American Heart Association Task Force on Clinical Practice Guidelines. J Am Coll Cardiol. 2017;70(2):252-289

https://www.hispanicheartcenter.org/portaldelpaciente

Revisiting Cardiovascular Wet Labs



Multiple Ways to Refer a Patient to the Hispanic Heart Center at The Mount Sinai Hospital

+1 (212) 659-6800 or +1 (212) 659-6820

+1 (212) 659-6818

javier.castillo@mountsinai.org

www.hispanicheartcenter.org/contacto

HISPANIC HEART CENTER
at The Mount Sinai Hospital
1190 Fifth Avenue, GP2W, Box 1028
New York, NY 10029

linkedin.com/in/CastilloMD

facebook.com/hispanicheartcenter

@hispanicheart

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