

Lectura recomendada. Artículos, guías y consensos. Período noviembre 2009 - enero 2010

Recommended reading. Articles, guidelines and consensus.
November 2009 - January 2010 period

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Revistas revisadas: *Catheterization and Cardiovascular Interventions, Eurointervention, Journal of the American College of Cardiology Intervention, Circulation Intervention, Journal of Invasive Cardiology, Journal of Interventional Cardiology, Journal of Endovascular Therapy, Journal of Vascular and Interventional Radiology, Radiology, RadioGraphics, Journal of the American College of Cardiology, Circulation, European Heart Journal, Heart, Revista Española de Cardiología, New England Journal of Medicine, Journal of the American Medical Association, The Lancet.*

CATHETERIZATION AND CARDIOVASCULAR INTERVENTIONS

The use of radiographic contrast media during PCI: A focused review: A position statement of the Society of Cardiovascular Angiography and Interventions.

Klein LW, Sheldon MW, Brinker J, Mixon TA, et al.
Catheter Cardiovasc Interv 2009;74(5):728-746. *Consenso.*

Transradial renal stenting: why and how.

C Trani, A Tommasino, F Burzotta.
Catheter Cardiovasc Interv 2009;74(6):951-956. *Técnica.*

Crossing CTOs - The tips, tricks, and specialist kit that can mean the difference between success and failure.

C Godino, A Sharp, M Carlino, A Colombo.
Catheter Cardiovasc Interv 2009;74(7):1019-1046. *Técnica.*

Antiplatelet therapy discontinuation following drug-eluting stent placement: Dangers, reasons, and management recommendations.

I Moussa, A Colombo.
Catheter Cardiovasc Interv 2009;74(7):1047-1054. *Revisión.*

2009 Focused Updates: ACC/AHA Guidelines for the Management of Patients With ST-Elevation Myocardial Infarction (Updating the 2004 Guideline and 2007 Focused Update) and ACC/AHA/SCAI Guidelines on Percutaneous Coronary Intervention (Updating the 2005 Guideline and 2007 Focused Update): A

Report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines.

Kushner FG, Hand M, Smith SC Jr, et al.
Catheter Cardiovasc Interv 2009; 74(7): E25-E68. *Guía actualizada.*

The benefit of renal artery stenting in patients with atheromatous renovascular disease and advanced chronic kidney disease.

P Kalra, C Chrysochou, T Zeller, et al.
Catheter Cardiovasc Interv 2010;75(1):1-10. *A. original.*

Antithrombotic strategies in patients on oral anticoagulant therapy undergoing percutaneous coronary intervention: A proposed algorithm based on individual risk stratification.

G Patti, G Di Sciascio.
Catheter Cardiovasc Interv 2010;75(1):128-134. *Sistemática.*

Current status of vulnerable plaque detection.

F Sharif, R Murphy.
Catheter Cardiovasc Interv 2010;75(1):135-144. *Revisión.*

EUROINTERVENTION

(www.pconline.com/eurointervention)

Radial approach for percutaneous coronary intervention.

Luz A, Hughes C, Fajadet J.
EuroIntervention 2009;5:633-635. *Técnica.*

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“Rehabilitation” after PCI: nonsense or the only way to achieve lasting results?

Di Mario C, Piepoli M.

EuroIntervention 2010;5:655-658. *Sistemática.*

Thirty-day outcome and vascular complications after transarterial aortic valve implantation using both Edwards SAPIEN™ and Medtronic CoreValve® bioprostheses in a mixed population.

Tchetche D, Dumonteil N, Fajadet J, et al.

EuroIntervention 2010;5:659-665. *A. original.*

Drug-eluting stents in saphenous vein graft interventions: a systematic review.

Brilakis E, Saeed B, Banerjee S.

EuroIntervention 2010;5:722-730. *Revisión.*

JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY (JACC) INTERVENTION

(<http://interventions.onlinejacc.org>)

Intracoronary optical coherence tomography: a comprehensive review: clinical and research applications.

H Bezerra, M Costa, G Guagliumi, A Rollins, D Simon.

JACC Cardiovasc Interv 2009;2(11):1035-1046. *Revisión.*

A randomized comparison of transradial versus transfemoral approach for coronary angiography and angioplasty.

M Brueck, D Bandorski, W Kramer, M Wiecek, et al.

JACC Cardiovasc Interv 2009;2:1047-1054. *A. original.*

Sodium bicarbonate plus N-acetylcysteine prophylaxis: a meta-analysis.

J Brown, C Block, D Malenka, G O'Connor, A, et al.

JACC Cardiovasc Interv 2009;2:1116-1124. *Revisión.*

Identifying the “optimal” duration of dual antiplatelet therapy after drug-eluting stent revascularization.

D Kandzari, D Angiolillo, M Price, P Teirstein.

JACC Cardiovasc Interv 2009;2:1279-1285. *Actualización.*

Catheter interventions for hemodialysis fistulas and grafts.

John A. Bittl.

JACC Cardiovasc Interv 2010;3:1-11. *Revisión.*

Culprit vessel percutaneous coronary intervention versus multivessel and staged percutaneous coronary intervention for ST-segment elevation myocardial infarction patients with multivessel disease.

E Hannan, S Sharma, S King III, et al.

JACC Cardiovasc Interv 2010;3:22-31. *A. original.*

3-dimensional bifurcation angle analysis in patients with left main disease: a substudy of the SYNTAX Trial

(SYnergy Between Percutaneous Coronary Intervention With TAXus and Cardiac Surgery).

C Girasis, Patrick W. Serruys, Marie-Claude Morice, et al.

JACC Cardiovasc Interv 2010 3:41-48. *A. original.*

CIRCULATION INTERVENTION

(<http://circinterventions.abajournals.org>)

Adjunctive thrombectomy for acute myocardial infarction: a bayesian meta-analysis.

F Mongeon, P Bélisle, S Rinfret, et al.

Circ Cardiovasc Interv. 2010;3:6-16 *Revisión.*

Paclitaxel-eluting versus sirolimus-eluting stents in diabetes mellitus: a report from the National Heart, Lung, and Blood Institute Dynamic Registry.

W Wolf, H Vlachos, S Mulukutla, et al.

Circ Cardiovasc Interv. 2010;3:42-49. *A. original.*

Anticoagulant therapy for percutaneous coronary intervention.

S Rao, E Ohman.

Circ Cardiovasc Interv. 2010;3:80-88. *Revisión.*

JOURNAL OF INVASIVE CARDIOLOGY

(www.invasivecardiology.com)

Provisional vs. complex stenting strategy for coronary bifurcation lesions: meta-analysis of randomized trials.

A Hakeem, F Khan, T Helmy, et al.

J Invasive Cardiol 2009;21:589-595. *Revisión.*

Use of drug-eluting versus bare-metal stents in ST-segment elevation myocardial infarction.

S Chen, A El-Bialy, R Matthews, L Clavijo.

J Invasive Cardiol 2009; 21:E206-E212. *Revisión.*

Validation of a risk score for target vessel revascularization after coronary stent implantation.

A Quadros, F Diemer, D Welter, T Modkovski, et al.

J Invasive Cardiol 2009;21:618-622. *A. original.*

Predictors of distal embolization in peripheral percutaneous interventions: A report from a large peripheral vascular registry.

N Shamma, E Dippel, W Shamma, et al.

J Invasive Cardiol 2009; 21:628-631. *A. original.*

How much alcohol should we infuse in the coronary artery of hypertrophic cardiomyopathy patients?

R Aqel, F Hage, A Iskandrian, et al.

J Invasive Cardiol 2010;22:22-26. *A. original.*

Unresolved issues associated with early initiation of antiplatelet therapy in acute coronary syndromes.

P Alagona.

J Invasive Cardiol 2010; 22:40–44. *Revisión.*

JOURNAL OF INTERVENTIONAL CARDIOLOGY

Classification and atherosclerosis distribution in patients with left main coronary disease.

C Thompson, M Sidhu, A Kaplan.

J Interv Cardiol 2009; 22(5): 431-436. *Actualización.*

Outcomes of patients with coronary artery perforation complicating percutaneous coronary intervention and correlations with the type of adjunctive antithrombotic therapy: pooled analysis from REPLACE-2, ACUTY, and HORIZONS-AMI Trials.

J Doll, G Stone, A Lansky.

J Interv Cardiol 2009; 22(5): 453-459. *A. original.*

Favorable long-term survival in patients undergoing multi-vessel-PCI compared to predicted prognosis of CABG estimated by EuroSCORE: procedural and clinical determinants of long-term outcome.

R Lehmann, S Fichtlscherer, I Spyridopoulos, et al.

J Interv Cardiol 2009; 22(6): 511-519. *A. original.*

The carina angle—new geometrical parameter associated with periprocedural side branch compromise and the long-term results in coronary bifurcation lesions with main vessel stenting only.

R Gil, D Vassilev, A Doganov.

J Interv Cardiol 2009; 22(6): E1-E10. *A. original.*

Extrinsic left main compression: review of the literature.

T Mirkovic, I Knezevic, M Noc, et al.

J Interv Cardiol 2009; 22(6): 550-555. *Revisión.*

JOURNAL OF ENDOVASCULAR THERAPY

(www.jevt.org)

In vivo deformation of the human abdominal aorta and common iliac arteries with hip and knee flexion: implications for the design of stent-grafts.

G Choi, L Shin, C Taylor, C Cheng.

J Endovasc Ther 2009; 16(5): 531-538. *A. original.*

Population-based outcomes following endovascular and open repair of ruptured abdominal aortic aneurysms.

K Giles, A Hamdan, M Schermerhorn, et al.

J Endovasc Ther 2009; 16(5): 554-564. *A. original.*

Outcomes of endovascular and open treatment for chronic mesenteric ischemia.

J Indes, J Giacovelli, A Dardik, et al.

J Endovasc Ther 2009; 16(5): 624-630. *A. original.*

Size of the proximal neck in AAAs treated with balloon-expandable stent-grafts: cta findings in mid- to long-term follow-up.

M Peirano, H Bertoni, R Guidoin, et al.

J Endovasc Ther 2009; 16(6): 696-707. *A. original.*

JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY (JVIR)

(www.jvir.org)

Endovascular retrieval of intracardiac inferior vena cava filters: a review of published techniques.

C Owens, J Bui, T Gast, et al.

J Vasc Interv Radiol 2009; 20(11): 1418-1428. *Revisión.*

Catheter-directed therapy for the treatment of massive pulmonary embolism: systematic review and meta-analysis of modern techniques.

W Kuo, M Gould, J Louie, J Rosenberg, et al.

J Vasc Interv Radiol 2009; 20(11): 1431-1440. *Revisión.*

Training guidelines for intra-arterial catheter-directed treatment of acute ischemic stroke: a statement from a special writing group of the society of interventional radiology.

J Vasc Interv Radiol 2009; 20(12): 1507-1522. *Consenso.*

High-risk retrieval of adherent and chronically implanted IVC filters: techniques for removal and management of thrombotic complications.

W Kuo, R Tong, L Hofmann, et al.

J Vasc Interv Radiol 2009; 20(12): 1548-1556. *Técnica.*

Joint quality improvement guidelines for pediatric arterial access and arteriography: from the societies of Interventional Radiology and Pediatric Radiology.

J Vasc Interv Radiol 2009; 21(1): 32-43. *Consenso.*

Embolization of giant renal angiomyolipomas: technique and results.

V Bishay, P Crino, W Stavropoulos, et al.

J Vasc Interv Radiol 2009; 21(1): 67-72. *Técnica.,*

RADIOLOGY (<http://radiology.rsna.org>)

CT Coronary angiography in patients suspected of having coronary artery disease: decision making from various perspectives in the face of uncertainty.

T Genders, W Meijboom, M Hunink, et al.

Radiology 2009 253:734-744. *Consenso.*

Reference levels for patient radiation doses in interventional radiology: proposed initial values for U.S. practice.

D Miller, D Kwon, G Bonavia.

Radiology 2009 253:753-764. *Consenso.*

RADIOGRAPHICS

(<http://radiographics.rsna.org>)

Continuing Medical Education: Hepatic segments and vasculature: projecting CT anatomy onto angiograms.

T Furuta, E Maeda, K Ohtomo, et al.

Radiographics 2009 29:e37 (on line). *Técnica*.

Continuing Medical Education: Coronary artery aneurysms and ectasia: role of coronary CT angiography.

M Díaz-Zamudio, U Bacilio-Pérez, E Kimura-Hayama, et al.

Radiographics 2009 29:1939-1954. *Revisión*.

JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY (JACC)

(<http://content.onlinejacc.org>)

Incidence and Predictors of Drug-Eluting Stent Fracture in Human Coronary Artery: A Pathologic Analysis.

G Nakazawa, A Finn, R Virmani, et al.

J Am Coll Cardiol 2009 54: 1924-1931. *A. original*.

The relative efficacy and safety of clopidogrel in women and men: a sex-specific collaborative meta-analysis.

J Berger, D Bhatt, E Topol, et al.

J Am Coll Cardiol 2009 54: 1935-1945. *Revisión*.

Inflammation in atherosclerosis: from pathophysiology to practice.

P Libby, P Ridker, G Hansson.

J Am Coll Cardiol 2009 54: 2129-2138. *Actualización*.

A half century of selective coronary arteriography.

A Brusckhe, W Sheldon, E Shirey, W Proudfit.

J Am Coll Cardiol 2009 54: 2139-2144.

Effect of Intensive Statin Therapy on Clinical Outcomes Among Patients Undergoing Percutaneous Coronary Intervention for Acute Coronary Syndrome: PCI-PROVE IT: A PROVE IT-TIMI 22 (Pravastatin or Atorvastatin Evaluation and Infection Therapy-Thrombolysis In Myocardial Infarction 22) Substudy.

M Gibson, Y Pride, C Cannon, et al., for the TIMI Study Group

J Am Coll Cardiol 2009 54: 2290-2295. *A. original*.

National efforts to improve door-to-balloon time: results from the door-to-balloon alliance.

E Bradley, B Nallamothu, H Krumholz, et al.

J Am Coll Cardiol 2009 54: 2423-2429. *A. original*.

Supported high-risk percutaneous coronary intervention with the Impella 2.5 device: the Europella registry.

K Sjauw, T Konorza, J. Henriques, et al.

J Am Coll Cardiol 2009 54: 2430-2434.

Efficacy and safety of immediate angioplasty versus ischemia-guided management after thrombolysis in acute myocardial infarction in areas with very long transfer distances: results of the NORDISTEMI (NORwegian study on DIstrict treatment of ST-Elevation Myocardial Infarction).

E Bøhmer, P Hoffmann, S Halvorsen, et al.

J Am Coll Cardiol 2010 55: 102-110. *A. original*.

Current concepts of integrated coronary physiology in the catheterization laboratory.

M Kern, H Samady.

J Am Coll Cardiol 2010 55: 173-185. *Revisión*.

CIRCULATION (<http://circ.ahajournals.org>)

Coronary microembolization: from bedside to bench and back to bedside.

G Heusch, Petra Kleinbongard, R Erbel.

Circulation. 2009;120:1822-1836. *Revisión*.

Catheter-Based Closure of the Patent Foramen Ovale.

B Meier.

Circulation 2009;120:1837-1841. *Actualización*.

Three-year outcomes after sirolimus-eluting stent implantation for unprotected left main coronary artery disease: insights from the j-Cypher registry.

M Toyofuku, T Kimura, K Mitsudo, et al.

Circulation. 2009;120:1866-1874. *A. original*.

Left Atrial appendage occlusion eliminates the need for warfarin. D Holmes, Jr, R Schwartz.

Circulation 2009; 120:1919-1926. **Left atrial appendage occlusion does not eliminate the need for warfarin.** R Whitlock,

J Healey, S Connolly. *Circulation* 2009; 120:1927-1932.

Controversia.

Reperfusion injury, microvascular dysfunction, and cardioprotection: the "dark side" of reperfusion.

A Prasad, G Stone, D. Holmes, B Gersh.

Circulation 2009; 120:2105-2112. *Revisión*.

Cardiovascular outcomes and mortality in patients using clopidogrel with proton pump inhibitors after percutaneous coronary intervention or acute coronary syndrome.

J Rassen, N Choudhry, J Avorn, S Schneeweiss.

Circulation 2009;120:2322-2329. *A. original*.

Randomized comparison of strategies for type B aortic dissection: The INvestigation of STent grafts in Aortic Dissection (INSTEAD) Trial.

C Nienaber, H Rousseau, H Ince, et al.

Circulation. 2009;120:2519-2528. *A. original*.

The Bypass Angioplasty Revascularization Investigation 2 Diabetes randomized trial of different treatment strategies in type 2 diabetes mellitus with stable ischemic heart disease: impact of treatment strategy on cardiac mortality and myocardial infarction.

B Chaitman, R Hardison, R Frye, et al. BARI 2D Study Group
Circulation 2009;120:2529-2540. *A. original.*

Prognostic modeling of individual patient risk and mortality impact of ischemic and hemorrhagic complications: assessment from the acute catheterization and urgent intervention triage strategy trial.

S Pocock, R Mehran, G Stone, et al.
Circulation 2010;121:43-51. *A. original.*

Cost-effectiveness of prasugrel versus clopidogrel in patients with acute coronary syndromes and planned percutaneous coronary intervention: results from the trial to assess improvement in therapeutic outcomes by optimizing platelet inhibition with Prasugrel-Thrombolysis in Myocardial Infarction TRITON-TIMI 38.

E Mahoney, E Braunwald, D Cohen, et al.
Circulation. 2010;121:71-79. *A. original.*

Adherence of catheterization laboratory cardiologists to American College of Cardiology/American Heart Association guidelines for percutaneous coronary interventions and coronary artery bypass graft surgery: what happens in actual practice?

E Hannan, M. Racz, G Walford, et al.
Circulation. 2010;121:267-275. *Actualización.*

Use of evidence-based therapies in short-term outcomes of ST-segment elevation myocardial infarction and non-ST-segment elevation myocardial infarction in patients with chronic kidney disease: a report from the National Cardiovascular Data Acute Coronary Treatment and Intervention Outcomes Network Registry.

C Fox, P Muntner, S Wiviott.
Circulation. 2010;121:357-365. *A. original.*

EUROPEAN HEART JOURNAL

(<http://eurheartj.oxfordjournals.org>)

Carotid artery stenting vs. endarterectomy.

M Roffi, D Mukherjee, D Clair.
Eur Heart J (2009) 30(22): 2693-2704. *Revisión.*

Risk profile and benefits from Gp IIb-IIIa inhibitors among patients with ST-segment elevation myocardial infarction treated with primary angioplasty: a meta-regression analysis of randomized trials.

G De Luca, E Navarese, P Marino.
Eur Heart J (2009) 30(22): 2705-2713. *Revisión.*

Stent thrombosis after drug-eluting stent implantation: incidence, timing, and relation to discontinuation of clopidogrel therapy over a 4-year period.

S Schulz, T Schuster, A Kastrati, et al.
Eur Heart J (2009) 30(22): 2714-2721. *A. original.*

Tirofiban as adjunctive therapy for acute coronary syndromes and percutaneous coronary intervention: a meta-analysis of randomized trials.

M Valgimigli, G Biondi-Zoccai, E Topol, et al.
Eur Heart J (2010) 31(1): 35-49. *A. original.*

Safety and efficacy of drug-eluting vs. bare metal stents in patients with diabetes mellitus: long-term follow-up in the Swedish Coronary Angiography and Angioplasty Registry (SCAAR).

U Stenestrand, S James, B Lagerqvist, et al.
Eur Heart J (2010) 31(2): 177-186. *A. original.*

NEW ENGLAND JOURNAL OF MEDICINE (NEJM)

(<http://content.nejm.org>)

Revascularization versus Medical Therapy for Renal-Artery Stenosis.

The ASTRAL Investigators.
N Engl J Med 2009; 361: 1953-1962. *A. original.*

Renal-Artery Stenosis.

L Dworkin, C. Cooper.
N Engl J Med 2009; 361:1972-1978. *Revisión.*

Platelet inhibition with cangrelor in patients undergoing PCI.

R. Harrington, G. Stone, et al. CHAMPION PCI trial
N Engl J Med 2009; 361: 2318-2329. *A. original.*

HEART (<http://heart.bmj.com>)

Interventional cardiology: Optical coherence tomography assessment of the acute effects of stent implantation on the vessel wall: a systematic quantitative approach.

N Gonzalo, P W Serruys, E Regar, et al.
Heart 2009;95:1913-1919. *Revisión.*

Acute coronary syndromes: Long-term results after intracoronary injection of autologous mononuclear bone marrow cells in acute myocardial infarction: the ASTAMI randomised, controlled study.

J O Beitnes, E Hopp, S Aakhus, et al.
Heart 2009;95:1983-1989. *A. original.*

Valvular heart disease: Adherence to patient selection criteria in patients undergoing transcatheter aortic valve implantation with the 18F CoreValve ReValving System.

N Piazza, A Otten, P W Serruys, et al.
Heart 2010;96:19-26. *A. original.*

Left ventricular assist devices.

E J Birks.

Heart 2010;96:63-71. *Revisión.*

THE LANCET

(www.thelancet.com)

Physician wellness: a missing quality indicator.

J Wallace, J Lemaire, W Ghali.

The Lancet 2009; 374: 1714-1721. *Actualización.*

Second-generation everolimus-eluting and paclitaxel-eluting stents in real-life practice (COMPARE): a randomised trial.

E Kedhi, K Joesoef, P Cornelis Smits.

The Lancet 2009; 375: 201-209. *A. original.*

Comparison of ticagrelor with clopidogrel in patients with a planned invasive strategy for acute coronary syndromes (PLATO): a randomised double-blind study.

C Cannon, et al., for the PLATelet inhibition and patient Outcomes (PLATO) investigators.

The Lancet 2009;375:283-293. *A. original.*

JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION (JAMA)

(<http://jama.ama-assn.org>)

Association of hospital primary angioplasty volume in ST-segment elevation myocardial infarction with quality and outcomes.

D Kumbhani; C Cannon; D Bhatt, et al.

JAMA 2009;302:2207-2213. *A. original.*

Contraindicated medication use in dialysis patients undergoing percutaneous coronary intervention.

T Tsai, et al., for the National Cardiovascular Data Registry.

JAMA 2009;302:2458-2464. *A. original.*

Strength of Study Evidence Examined by the FDA in Premarket Approval of Cardiovascular Devices

S Dhruva, L Bero, R Redberg.

JAMA 2009;302:2679-2685. *Revisión.*

REVISTA ESPAÑOLA DE CARDIOLOGÍA

(<http://www.revespcardiol.org>)

Anatomía vulnerable de la carina en lesiones ostiales de la arteria coronaria descendente anterior tratadas con stent flotante.

A Medina, P Martín, A García y cols.

Rev Esp Cardiol 2009;62:1240-1249. *A. original.*

Registro español de hemodinámica y cardiología intervencionista. XVIII Informe Oficial de la Sección de Hemodinámica y Cardiología Intervencionista de la Sociedad Española de Cardiología (1990-2008).

J. Baz, A Albarrán, E Pinar, J Mauri.

Rev Esp Cardiol 2009;62:1418-1434.

Inhibición del receptor plaquetario P2Y12 de adenosina difosfato plaquetario: efectos beneficiosos y limitaciones de las estrategias terapéuticas actuales y perspectivas futuras.

D Angiolillo, J Ferreiro.

Rev Esp Cardiol 2010;63:60-76. *Revisión.*

Ventrículo derecho y circulación pulmonar: conceptos básicos.

C. Greyson.

Rev Esp Cardiol 2010;63:81-95. *Revisión.*