

ATRIUM THERAPEUTIC INFUSION CATHETER CLINICAL PUBLICATIONS / PRESENTATIONS LITERATURE REVIEW

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1. LOCALIZED DRUG DELIVERY FOR PLATELET DISAGGREGATION

Abciximab, Eptifibitide, and Tirofiban exhibit dose-dependant potencies to dissolve platelet aggregates.

Moser, et al.

J Cardiovascular Pharmacology. 2003; Vol. 41:586-592.

2. INTRACORONARY BOLUS DELIVERY

Intracoronary Eptifibitide bolus administration during percutaneous coronary stenting for acute coronary syndromes with evaluation of platelet glycoprotein IIb/IIIa receptor occupancy and platelet function: the ICE trial.

Deibele AJ et al.

Circulation, 2010; 121: 784-791.

Intracoronary Versus Intravenous Abciximab In ST-Segment Elevation Myocardial Infarction: Rationale And Design Of The CICERO Trial In Patients Undergoing Primary Percutaneous Coronary Intervention With Thrombus Aspiration.

Gu, et al.

Trials 2009; vol. 10.

Long-Term Reduction of Mortality in the 4 Year Follow up of Tirofiban Therapy in Elective Percutaneous Coronary Interventions (TOPSTAR) Trial.

Lengenfelder MD, et al

Journal of Invasive Cardiology, 2011;23:128-132

Local Delivery Versus Intracoronary Infusion of Abciximab in Patients with Acute Coronary Syndromes.

Prati et al.

JACC Interventions, Sept. 2010. Vol. 3, No. 9, 928-934.

Intracoronary Compared with Intravenous Bolus Abciximab Application in Patients with ST-Elevation Myocardial Infarction Undergoing Primary Percutaneous Coronary Intervention The Randomized Leipzig Immediate Percutaneous Coronary Intervention Abciximab IV Versus IC in ST-Elevation Myocardial Infarction Trial.

Thiele, et al.

Circulation 2008 Vol. 118.

Intracoronary Application of Abciximab in Patients with ST- elevation Myocardial Infarction.
Wohrle, et al.
EuroIntervention 2007; Vol. 3: 465-469.

3. COMBINED ASPIRATION, EXTRACTION & THROMBUS MANAGEMENT EXPERIENCE

Clinical Impact of Thrombectomy in Acute St-Elevation Myocardial Infarction: and Individual Patient-Data Pooled Analysis of 11 Trials.
Burzotta, et al.
European Heart Journal 2009; Vol. 30:2193-2203.

Angiographic Stent Thrombosis After Routine Use of Drug-Eluting Stents in ST-Segment Elevation Myocardial Infarction.
Sianos, et al.
Journal of the American College of Cardiology, 2007; Vol. 50: 574-583.

Thrombus Aspiration during Primary Percutaneous Coronary Intervention (TAPAS).
Svilaas, et al.
The New England Journal of Medicine, February 7, 2008.

Cardiac death and reinfarction after 1 year in the Thrombus Aspiration during Percutaneous coronary intervention in Acute myocardial infarction Study (TAPAS): a 1-year follow-up study.
Vlaar, et al.
The Lancet 2008; Vol. 371.

4. BOLUS-ONLY LOCAL INFUSION STRATEGIES

Improved Clinical Outcomes with Intracoronary Compared to Intravenous Abciximab in Patients with Acute Coronary Syndromes Undergoing Percutaneous Coronary Intervention: A Systematic Review and Meta Analysis.
Hansen, et al.
Journal of Invasive Cardiology 2010;22: 278-282.

Improving Adjunctive Pharmacotherapy for Primary Percutaneous Coronary Intervention in ST-Segment, Elevation Myocardial Infarction: Beyond the HORIZONS-AMI Trial.
Kereiakes
Reviews in Cardiovascular Medicine 2009; vol. 10, no. 2.

5. IMPROVED TIMI FLOW & BLUSH GRADE ANALYSIS

Frequency, Correlates, and Clinical Implications of Myocardial Perfusion After Primary Angioplasty and Stenting, With and Without Glycoprotein IIb/IIIa Inhibition, in Acute Myocardial Infarction.
Costantini, Stone et al.
Journal of American College of Cardiology 2004; Vol. 44, No. 2.

6. IC DELIVERY IN CABG BYPASS GRAFTS

Reduced thrombus burden with abciximab delivered locally before percutaneous intervention in saphenous vein grafts.
Barsness et al.
American Heart Journal 2000; Vol. 139: 824–829.

Adjunctive Abciximab Improves Outcomes During Recanalization of Totally Occluded Saphenous Vein Grafts Using Transluminal Extraction Atherectomy.
Sullebarger et al.

Catheterization and Cardiovascular Interventions 1999; Vol. 46:107–110

7. LOCAL DELIVERY FOR CORONARY NO REFLOW CONDITIONS

5-Year Prognostic Value of No Reflow Phenomenon After Percutaneous Coronary Intervention in Patients with Acute Myocardial Infarction.

Gjin Ndrepepa et al.

Journal of the American College of Cardiology. 2010; 55: 2383-2389.

Current Approach to Slow Flow and No-Reflow a Preventive Approach Appears to be the Best Strategy Based on Current Understanding of This Phenomenon.

Sandhir, et al.

Cardiac Interventions Today, January/February 2008, 45-51.

Clinical Experience with a Novel Intracoronary Perfusion Catheter to Treat No-Reflow Phenomenon in Acute Coronary Syndromes.

Waksman et al.

Journal Interventional Cardiology 2010; 1-5.

How to Manage no reflow phenomenon with local drug delivery ia a rapid exchange catheter

Wilson et al.

Catheterization and Cardiovascular Interventions Feb. 2011 Vol.77, Issue 2. 217-219.

8. LOCAL DELIVERY FOR TREATMENT OF DISTAL EMBOLIZATION

Incidence and clinical significance of distal embolization during primary angioplasty for acute myocardial infarction.

Henriques et al.

European Heart Journal 2002, Vol. 23: 1112–1117.

9. PERIPHERAL ARTERY DRUG DELIVERY APPLICATIONS

Pharmacotherapy in Peripheral Vascular Disease.

Allie and Shammas

Vascular Disease Management 2007; Supplement to the March/April issue. 3C-13C.

GP IIb/IIIa Blockade During Peripheral Artery Interventions (BELOW Trial).

Tepe, et al.

Cardiovascular Interventional Radiology 2009; Vol. 31:8–13

10. PREFERRED DRUGS AND RECOMMENDED DOSING FOR PERIPHERAL THROMBUS MANAGEMENT

A Safety and Feasibility Report of Combined Direct Thrombin and GP IIb/IIIa Inhibition with Bivalirudin and Tirofiban in Peripheral Vascular Disease Intervention: “Treating Critical Limb Ischemia Like Acute Coronary Syndrome.”

Allie DE, et al.

J Invasive Cardiology. 2005; Vol.17 No.8: 427-432.

Reopro in Peripheral Arterial Interventions to Improve Clinical Outcomes in Patients with Peripheral Arterial Disease (RIO-Trial).

Baumgartner I, et al.

Presented at the European Society of Cardiology, Nov 2007.

11. LOCAL DRUG DELIVERY FOR CORONARY APPLICATIONS

Changing the Standard of Care in STEMI PCI: Combining Mechanical Reperfusion and Pharmacologic Therapy to Improve Myocardial infarction. (Case 1 of 5)

Dave, R

Cath Lab Digest, Sep 2008.

Changing the Standard of Care in STEMI PCI: Combining Mechanical Reperfusion and Pharmacologic Therapy to Improve Myocardial infarction. (Case 2 of 5)

Dave, R

Cath Lab Digest, Oct 2008.

Complex SVG PCI in Acute Coronary Syndrome: Utilization of laser ablation and intra-graft glycoprotein IIb/IIIa inhibitors via Clearway therapeutic infusion catheter to improve procedural safety. (Case 3 of 5)

Dave, R

Cath Lab Digest, Nov 2008.

Treatment of Complex Thrombotic Popliteal Chronic Total Occlusion using Pathway PV Jetstream or Laser Atherectomy, and Localized Delivery of Abciximab via ClearWay Rx Catheter. (Case 4 of 5)

Dave, R

Cath Lab Digest, Jan 2009.

The Challenge of Thrombus-Containing Lesions in 2009: An innovative solution for STEMI PCI to improve outcomes (Case 5 of 5)

Dave, R

Cath Lab Digest, Jan 2009.

Clearway™ RX - Rapid Exchange Therapeutic Perfusion Catheter.

Gorog, D

EuroIntervention, 2008 Vol. 3:639-642.

Local Delivery Versus Intracoronary Infusion of Abciximab in Patients with Acute Coronary Syndromes.

Prati et al.

JACC Interventions, Sept. 2010. Vol. 3, No. 9, 928-934.

Atherectomy and the Role of Excimer Laser in Treating CAD.

Pratsos

Cardiac Interventions Today 2009, January/February.

Initial experiences with a new OCI infusion catheter

Zenker

JATROS 2008; Vol. 5.

12. LOCAL DELIVERY FOR PERIPHERAL APPLICATIONS

Successful Revascularization of Re-Stenosis of Lower Extremity Arteries With Localized Delivery of Paclitaxel.

Latif & Hennebry

Catheterization and Cardiovascular Interventions 2008; Vol. 72:294-298.

Use of simultaneous angioplasty and in situ thrombolysis with a specialized balloon catheter for peripheral interventions.

Rathi, Hennebry et al.

