

Conference book

Current Challenges in Vascular Biomaterials

- ▶ New technologies for Thoraco-Abdominal & Abdominal Aortic Aneurysm Treatment
- ▶ Review of infrainguinal techniques & technologies
- ▶ Review of debulking technologies & devices

■ ■ ■ Contents (1/3)

1. Results of open surgery in thoracoabdominal aneurysms.

Joseph J DUBOSE, Anthony L ESTRERA, Hazim J SAFI

2. Are there choice criteria for fenestrated grafts devices?

Elie GIRSOWICZ, Jean-Pierre BECQUEMIN

3. Renal and superior mesenteric arteries motion during respiration in patients with aortic aneurysms.

Ga-Young SUH, Christopher P CHENG, Jason T LEE, Ronald L DALMAN

4. Current strategies to avoid paraplegia.

Sarah GEISBUSCH, Thomas KOEPEL, Randall B GRIEPP

5. Components used in the construction of endovascular stent grafts: impact on clinical practice and in situ fenestration.

Tong YAO, Sean A CRAWFORD, Thomas L FORBES, Martin W KING

6. Update on current prosthetic vascular graft infection microbiology.

Xavier BERARD, Mathilde PUGES, Laurent STECKEN, Anne-Sophie BATTUT, Eric DUCASSE, Dominique MIDY, Sabine PEREYRE, Charles CAZANAVE

7. In situ vascular tissue engineering: current status and future challenges.

Renee DUIJVESHOF, Carlijn VC BOUTEN

8. State of the art on sutureless devices for thoraco-abdominal aortic repair.

Roberto CHIESA, Andrea KAHLBERG, Renata CASTELLANO, Daniele MASCIA, Yamume TSHOMBA, Germano MELISSANO

9. Can finite element analysis predict endograft behavior and help physicians in the choice of the optimal device?

Pierre BADEL, David PERRIN, Juliette GINDRE, Aurélien DUMENIL, Victor ACOSTA, Marie REBOUAH, Michel ROCHETTE, Aline BEL-BRUNON, Adrien KALADJI, Antoine LUCAS, Pascal HAIGRON, Alain COMBESCURE, Stephan HAULON, Cemil GOKSU, Jean-Pierre FAVRE, Jean-Noël ALBERTINI, Stéphane AVRIL

10. Clinical relevance of Type II endoleaks.

Beatrice FIORUCCI, Giacomo ISERNIA, Gioele SIMONTE, Diletta LOSCHI, Serge WATCHOUANG, Luca FARCHIONI, Selena PELLICCIA, Fabio VERZINI

11. State of the art on branched-iliac endografts.

Jason T LEE, Wang LIXIN

12. Optimal configurations for chimneys, snorkels and periscopes

Adam TANIOUS, Murray SHAMES

13. Endoprosthesis thrombosis and thrombo-embolic complications after endovascular repair

Pierre H MANGIN, Christian GACHET

14. New technologies for Duplex follow-up: could we expect a potential interest in device surveillance?

Henrik SILLESEN

15. Toward predictors of long-term behavior and failure after EVAR:

the valuable union of semi-automatic CT scan image analysis and E-science platform?

Adeline SCHWEIN, Thibault KENSICHER, Tuan NGUYEN, Jean BISMUTH, Scott BERCELI, Nabil CHAKFE, Marc GARBEY

Conference book

Current Challenges in Vascular Biomaterials

- ▶ New technologies for Thoraco-Abdominal & Abdominal Aortic Aneurysm Treatment
- ▶ Review of infrainguinal techniques & technologies
- ▶ Review of debulking technologies & devices

■ ■ ■ Contents (2/3)

16. The need for simulation in vascular surgery.

Malachi G SHEAHAN, Claude C CRAIGHEAD Jr.,
Mélanie SABBAGH

17. Aortic case simulation: technical aspects on patient specific simulation for improved training.

Michael STRØM, Bo BECH, Ben SPEICH, Todd PIETILA,
Henrik STORM, Torben V SCHROEDER, Lars KONGE,
Lars LONN

18. AAA could be treated in the future without open or endovascular surgery.

Eric ALLAIRE, Fabrice SCHNEIDER, Jianping DAI,
Jean-Pierre BECQUEMIN

19. The safety of bypass surgery is improved with the advent of distal pta: a retrospective cohort study.

Kim HOULIND, Yvonne SØRENSEN, Johnny CHRISTENSEN,
Jørn M JEPSEN

20. Saphenous vein remodelling in arterial conditions.

Sébastien DEGLISE, Xavier BERARD, Florent ALLAGNAT,
Céline DUBUIS, Alban LONGCHAMP, Jacques-Antoine
HAEFLIGER, Jean-Marc CORPATAUX

21. Mathematical models to predict intimal hyperplasia.

Scott A BERCELI, Stefano CASARIN, Marc GARBEY

22. Future therapeutic options to prevent vein graft failure.

Chi-Nan TSENG, ULF HEDIN

23. MR-guided endovascular interventions.

Sebastian KOS, Andreas GUTZEIT, David M LIU,
Augustinus L JACOB, Deniz BILECEN

24. Innovative imaging and tracking technologies sustain enhanced robotic endovascular navigation.

Adeline SCHWEIN, Cassidy DURAN, Ponraj CHINNA DURAI,
Jean BISMUTH

25. The future role of nanotechnology New tools applied to vascular biomaterial design.

Gad SABBATIER, Gaétan LAROCHE

26. Stent surface modification: where are we today?

Nicolas BLANCHEMAIN, Jonathan SOBOCINSKI,
Blandine MAUREL-DESANLIS, Adrien HERTAULT,
Stephan HAULON

27. Current evidence on endovascular versus open repair of asymptomatic popliteal artery aneurysm.

Dhiraj JOSHI

28. How do deal with thrombus in infrainguinal angioplasty?

Dierk VORWERK

29. Results of drug-eluting balloons and drug-eluting stents: are they really promising?

Jörg TESSAREK

30. Is there a class effect for drug eluting balloon?

Nicolas BAGUE, Adrien KALADJI, Pierre-Alexandre VENT,
Philippe CHAILLOU, Alain COSTARGENT, Yann GOUEFFIC

Conference book

Current Challenges in Vascular Biomaterials

- ▶ New technologies for Thoraco-Abdominal & Abdominal Aortic Aneurysm Treatment
- ▶ Review of infrainguinal techniques & technologies
- ▶ Review of debulking technologies & devices

■ ■ ■ Contents (3/3)

31. Laser and DEB to treat femoropopliteal in-stent restenosis. What is the rationale?

Jos C VAN DEN BERG

32. In vivo case study of the virtual deployment of a stent graft device.

Sander DE BOCK, Isabelle VAN HERZEELE, Frank VERMASSEN, Patrick SEGERS, Benedict VERHEGGHE, Mathieu DEBEULE

33. Haemodynamics and their Relation to Stent design for the Treatment of Peripheral Arterial Disease.

Graeme J HOUSTON, Nicolas ARISTOKLEOUS, Efstratios KOKKALIS

34. Debulking plus drug-coated balloon combination as revascularisation strategy for complex femoropopliteal lesions: A new standard technique?

Michael LICHTENBERG, Frank BREUCKMANN

35. Revascularization of the superficial femoral artery: Is there a rationale to treat diabetic patients with drug-eluting technologies?

Vincent PW SCHOLTES, Gert J de BORST, Vincent van WEEL, Franz L MOLL

36. Mechanical tests to simulate and evaluate stent flexion.

Elie GIRSOWICZ, Frédéric HEIM, Nabil CHAKFE

37. The influence of arterial deformations and Nitinol stent oversizing in infrainguinal arteries.

Can GÖKGÖL, Philippe BÜCHLER, Nicolas DIEHM

38. Role of plaque shape in the fatigue behaviour of Nitinol peripheral stents.

Lorenza PETRINI, Giancarlo PENNATI, Dario ALLEGRETTI, Elena DORDONI, Alessio MEOLI, Antonia TROTTA, Gabriele DUBINI, Francesco MIGLIAVACCA

39. Young Researcher Prize abstracts.