## Management of Haemodialysis Vascular Access -New Insights and Practical Issues 2008

**International Congress and Symposium Series 267** 

London, UK 18 January 2008

ISBN: 978-1-61567-380-3

## For permission requests, please contact the Royal Society of Medicine Press Ltd at the address below.

Royal Society of Medicine Press Ltd 1 Wimpole Street London, W1G 0AE, UK

> Phone: +44 (0)20 7290 2921 Fax: +44 (0)20 7290 2929

E-mail: <a href="mailto:publishing@rsm.ac.uk">publishing@rsm.ac.uk</a>
Website: <a href="mailto:www.rsmpress.co.uk">www.rsmpress.co.uk</a>

## Printed from e-media with permission by:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571 www.proceedings.com

Some format issues inherent in the e-media version may also appear in this print version.

Apart from any fair dealing for the purposes of research or private study, criticism or review, as permitted under the UK Copyright Designs and Patents Act, 1988, no part of this publication may be reproduced, stored or transmitted, in any form or by any means, without the prior permission in writing of the publishers or in the case of reprographic reproduction in accordance with the terms of licenses issued by the Copyright Licensing Agency in the UK, or in accordance with the terms of licenses issued by the appropriate Reproduction Rights Organization outside the UK. Enquiries concerning reproduction outside the terms stated here should be sent to the publishers at the UK address printed on this page.

These proceedings are published by the Royal Society of Medicine Press Ltd with financial support from the sponsor. The contributors are responsible for the scientific content and for the views expressed, which are not necessarily those of the sponsor, of the editor of the series or of the volume, of the Royal Society of Medicine or of the Royal Society of Medicine Press Ltd. Distribution has been in accordance with the wishes of the sponsor but a copy is available to any fellow of the Society at a privileged price.

**ISBN:** 978-1-61567-380-3 **ISSN:** 0142-2367

Copyright© (2008) by the Royal Society of Medicine Press Ltd All rights reserved.

Printed by Curran Associates, Inc. (2009)

## Contents

Contributors

1

Introduction and objectives

ALI BAKRAN

4

End-stage renal disease: Epidemiology and future trends
SALVATORE DI GIULIO

18

 ${\it Hae modialysis: The \ role \ of \ vascular \ access} \\ {\it volker \ mickley}$ 

30

Management of central venous catheters JOSE POLO

43

 $\begin{tabular}{l} \textit{Practical management of central venous catheter malfunction} \\ \textit{LIZ} \, \textit{ANDERSON} \end{tabular}$ 

53

Use of thrombolytic agents in the management of central venous catheter malfunction

JOSETTE PENGLOAN

65

Summary and conclusions
ALI BAKRAN