

Cambridge University Press & Assessment
978-1-009-51731-7 — Ruptured Supratentorial Cerebral Artery Aneurysm
with Large Intracerebral Haematoma
Samuel Hall, Diederik Bulters
Frontmatter
[More Information](#)

Cambridge Elements

Elements in Emergency Neurosurgery

edited by

Nihal Gurusinghe

Lancashire Teaching Hospital NHS Trust

Peter Hutchinson

*University of Cambridge, Society of British Neurological Surgeons
and Royal College of Surgeons of England*

Ioannis Fouyas

Royal College of Surgeons of Edinburgh

Naomi Slator

North Bristol NHS Trust

Ian Kamaly-Asl

Royal Manchester Children's Hospital

Peter Whitfield

University Hospitals Plymouth NHS Trust

RUPTURED SUPRATENTORIAL CEREBRAL ARTERY ANEURYSM WITH LARGE INTRACEREBRAL HAEMATOMA

Samuel Hall

University Hospital Southampton NHS Foundation Trust

Diederik Bulters

University Hospital Southampton NHS Foundation Trust



CAMBRIDGE
UNIVERSITY PRESS

Cambridge University Press & Assessment
978-1-009-51731-7 — Ruptured Supratentorial Cerebral Artery Aneurysm
with Large Intracerebral Haematoma
Samuel Hall, Diederik Bulders
Frontmatter
[More Information](#)



CAMBRIDGE
UNIVERSITY PRESS

Shaftesbury Road, Cambridge CB2 8EA, United Kingdom

One Liberty Plaza, 20th Floor, New York, NY 10006, USA

477 Williamstown Road, Port Melbourne, VIC 3207, Australia

314–321, 3rd Floor, Plot 3, Splendor Forum, Jasola District Centre,
New Delhi – 110025, India

103 Penang Road, #05–06/07, Visioncrest Commercial, Singapore 238467

Cambridge University Press is part of Cambridge University Press & Assessment,
a department of the University of Cambridge.

We share the University's mission to contribute to society through the pursuit of
education, learning and research at the highest international levels of excellence.

www.cambridge.org

Information on this title: www.cambridge.org/9781009517317

DOI: 10.1017/9781009424837

© Samuel Hall and Diederik Bulders 2024

This publication is in copyright. Subject to statutory exception and to the provisions
of relevant collective licensing agreements, no reproduction of any part may take
place without the written permission of Cambridge University Press & Assessment.

When citing this work, please include a reference to the DOI 10.1017/9781009424837

First published 2024

A catalogue record for this publication is available from the British Library.

ISBN 978-1-009-51731-7 Hardback

ISBN 978-1-009-42480-6 Paperback

ISSN 2755-0656 (online)

ISSN 2755-0648 (print)

Cambridge University Press & Assessment has no responsibility for the persistence
or accuracy of URLs for external or third-party internet websites referred to in this
publication and does not guarantee that any content on such websites is, or will
remain, accurate or appropriate.

Every effort has been made in preparing this Element to provide accurate and
up-to-date information which is in accord with accepted standards and practice
at the time of publication. Although case histories are drawn from actual cases,
every effort has been made to disguise the identities of the individuals involved.
Nevertheless, the authors, editors and publishers can make no warranties that the
information contained herein is totally free from error, not least because clinical
standards are constantly changing through research and regulation. The authors,
editors and publishers therefore disclaim all liability for direct or consequential
damages resulting from the use of material contained in this Element. Readers
are strongly advised to pay careful attention to information provided by the
manufacturer of any drugs or equipment that they plan to use.

Cambridge University Press & Assessment
978-1-009-51731-7 — Ruptured Supratentorial Cerebral Artery Aneurysm
with Large Intracerebral Haematoma
Samuel Hall, Diederik Bulters
Frontmatter
[More Information](#)

Ruptured Supratentorial Cerebral Artery Aneurysm with Large Intracerebral Haematoma

Elements in Emergency Neurosurgery

DOI: 10.1017/9781009424837
First published online: December 2024

Samuel Hall
University Hospital Southampton NHS Foundation Trust

Diederik Bulters
University Hospital Southampton NHS Foundation Trust

Author for correspondence: Samuel Hall, samuel.hall@doctors.org.uk

Abstract: The ruptured aneurysm with an intracerebral haematoma is a commonly encountered neurosurgical emergency. The options for management of this situation have evolved with the changes in neurovascular surgery training and widespread use of endovascular techniques for aneurysm occlusion. This Element will discuss the differences between subarachnoid haemorrhage with or without an intracerebral haematoma including presentation, imaging and outcomes. The authors present their preferred surgical strategy including practical guidance on how to handle difficult situations such as the intraoperative rupture.

Keywords: aneurysmal subarachnoid haemorrhage, neurovascular surgery, intracerebral haematoma, aneurysm clipping, clot evacuation

© Samuel Hall and Diederik Bulters 2024

ISBNs: 9781009517317 (HB), 9781009424806 (PB), 9781009424837 (OC)
ISSNs: 2755-0656 (online), 2755-0648 (print)

Contents

Typical Case History	1
Epidemiology	1
History	1
Examination	2
Investigation	2
Intra-Sylvian vs Intra-Parenchymal Haematoma	2
Differential Diagnosis	3
Management	3
Prognosis/Outcomes	13
References	15