UNIVERSITY OF AMSTERDAM

UvA-DARE (Digital Academic Repository)

Advancing renal cell carcinoma care

Multidisciplinary strategies from diagnosis to follow-up

van den Brink, L.

Publication date
2026

Link to publication

Citation for published version (APA):
van den Brink, L. (2026). *Advancing renal cell carcinoma care: Multidisciplinary strategies from diagnosis to follow-up*. [Thesis, fully internal, Universiteit van Amsterdam].

General rights
It is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), other than for strictly personal, individual use, unless the work is under an open content license (like Creative Commons).

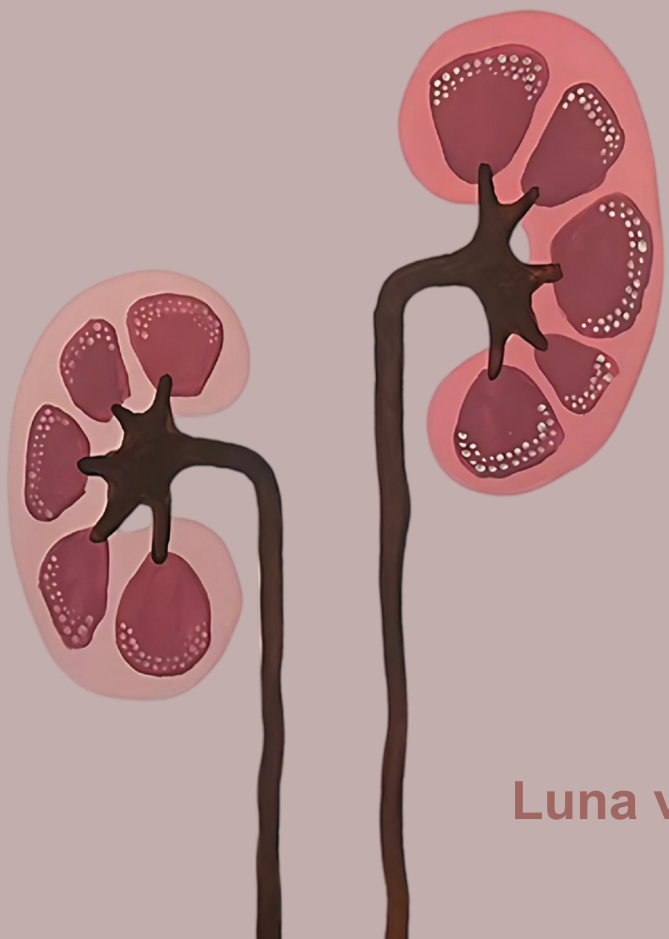
Disclaimer/Complaints regulations
If you believe that digital publication of certain material infringes any of your rights or (privacy) interests, please let the Library know, stating your reasons. In case of a legitimate complaint, the Library will make the material inaccessible and/or remove it from the website. Please Ask the Library: https://uba.uva.nl/en/contact, or a letter to: Library of the University of Amsterdam, Secretariat, P.O. Box 19185, 1000 GD Amsterdam, The Netherlands. You will be contacted as soon as possible.

UvA-DARE is a service provided by the library of the University of Amsterdam (https://dare.uva.nl)

Download date:15 Nov 2026

ADVANCING RENAL CELL CARCINOMA CARE

Multidisciplinary strategies
from diagnosis to follow-up



Luna van den Brink

Advancing renal cell carcinoma care

Multidisciplinary strategies from diagnosis to follow-up

Luna van den Brink

ISBN: 978-94-6537-379-9
Cover design: Adinda Pijpers
Lay-out & Print: Ridderprint | www.ridderprint.nl

Financial contribution for printing of this thesis was kindly provided by: Amsterdam UMC, Cancer Center Amsterdam, Chipsoft, Medicocare.

© Copyright 2026: Luna van den Brink
Financial support for this thesis was provided by Stichting Cure for Cancer
All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, by photocopying, recording, or otherwise, without the prior written permission of the author.

Advancing renal cell carcinoma care
Multidisciplinary strategies from diagnosis to follow-up

ACADEMISCH PROEFSCHRIFT

ter verkrijging van de graad van doctor
aan de Universiteit van Amsterdam
op gezag van de Rector Magnificus
prof. dr. ir. P.P.C.C. Verbeek
ten overstaan van een door het College voor Promoties ingestelde commissie,
in het openbaar te verdedigen in de Agnietenkapel
op dinsdag 12 mei 2026, te 13.00 uur

door Luna van den Brink
geboren te 's-Gravenhage

Promotiecommissie

Promotores:	prof. dr. H.P. Beerlage	AMC-UvA
	prof. dr. A. Bex	University College London
Copromotores:	dr. P.J. Zondervan	AMC-UvA
	dr. D.M. de Bruin	AMC-UvA
Overige leden:	prof. dr. F.J. Bemelman	AMC-UvA
	dr. A.M.E. Bruynzeel	VUmc
	dr. A.D. Bins	Universiteit van Amsterdam
	prof. dr. M.R. Meijerink	Vrije Universiteit Amsterdam
	prof. dr. P.F.A. Mulders	Radboud Universiteit
	prof. dr. C.D. Savci Heijink	AMC-UvA

Faculteit der Geneeskunde

Table of contents

Chapter 1: Introduction 7

PART 1: Pretherapeutic decision making 19

Chapter 2: The impact of a multidisciplinary tumour board (MTB) on treatment decision making for patients with renal cell carcinoma (RCC): 5-year data analysis 21

Chapter 3: Impact of renal tumor biopsies in preventing overtreatment for cT1 renal cell carcinoma: data from a large renal cancer network 39

PART 2: Treatment of localized and metastatic RCC 55

Chapter 4: A National Study of the Rate of Benign Pathology after Partial Nephrectomy for T1 Renal Cell Carcinoma: Should We Be Satisfied? 57

Chapter 5: Comparison of oncological and functional outcomes of radical versus partial nephrectomy for cT1b renal cell carcinoma: A two-centre, matched analysis 71

Chapter 6: Indications and Outcomes for Deferred Cytoreductive Nephrectomy Following Immune Checkpoint Inhibitor Combination Therapy: Can Systemic Therapy be Withdrawn in Patients with No Evidence of Disease? 89

PART 3: Optimizing follow-up after treatment 107

Chapter 7: Is frequent imaging necessary? Impact of computed tomography during follow-up after surgical treatment for nonmetastatic renal cell carcinoma: a systematic review. 111

Chapter 8: The use of Computed Tomography during follow-up after ablation of cT1 renal cell carcinoma: evidence for overuse 141

Chapter 9: Discussion and future perspectives 179

Chapter 10: English and Dutch summary 189

Appendices 203