

University of Groningen

Role of FDG-PET/CT in the evaluation of infectious and inflammatory disease

Pijl, Jordy

DOI:
[10.33612/diss.791749362](https://doi.org/10.33612/diss.791749362)

IMPORTANT NOTE: You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.

Document Version
Publisher's PDF, also known as Version of record

Publication date:
2023

[Link to publication in University of Groningen/UMCG research database](#)

Citation for published version (APA):

Pijl, J. (2023). *Role of FDG-PET/CT in the evaluation of infectious and inflammatory disease*. [Thesis fully internal (DIV), University of Groningen]. University of Groningen. <https://doi.org/10.33612/diss.791749362>

Copyright

Other than for strictly personal use, 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), unless the work is under an open content license (like Creative Commons).

The publication may also be distributed here under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license. More information can be found on the University of Groningen website: <https://www.rug.nl/library/open-access/self-archiving-pure/taverne-amendment>.

Take-down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

Downloaded from the University of Groningen/UMCG research database (Pure): <http://www.rug.nl/research/portal>. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.

Role of FDG-PET/CT in the evaluation of infectious and inflammatory disease

Jordy P. Pijl

Printed by Ipskamp Printing
Enschede, the Netherlands

Design & layout Bianca Pijl, www.pijlldesign.nl
Groningen, the Netherlands

© Copyright: 2023 J.P. Pijl, Groningen, the Netherlands

All rights reserved. No part of this thesis may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, without prior written permission of the author, or when appropriate, of the publishers of the publications included in this thesis.



**rijksuniversiteit
 groningen**

Role of FDG-PET/CT in the evaluation of infectious and inflammatory disease

Proefschrift

ter verkrijging van de graad van doctor aan de
 Rijksuniversiteit Groningen
 op gezag van de
 rector magnificus prof. dr. ir. J.M.A. Scherpen
 en volgens besluit van het College voor Promoties.

De openbare verdediging zal plaatsvinden op

maandag 6 november 2023 om 14:30 uur

door

Jordy Pieter Pijl

geboren op 4 oktober 1995
 te Groningen

Promotores

Prof. dr. A.W.J.M. Glaudemans
Dr. T.C. Kwee

Beoordelingscommissie

Prof. dr R.O.B. Gans
Prof. dr. A. Voss
Prof. dr. M.G.E.H. Lam

Paranimfen

Lydian Huisman

Afke Lageschaar

TABLE OF CONTENTS

Chapter 1	General introduction	11
Chapter 2	PET/CT for personalized management of infectious diseases J Pers Med (2021) Feb 16;11(2):133.	21
Chapter 3	Chapter 3 FDG-PET/CT for detecting an infection focus in patients with bloodstream infection: factors affecting diagnostic yield Clin Nucl Med (2019) Feb;44(2):99-106.	45
Chapter 4	¹⁸F-FDG PET/CT in autosomal dominant polycystic kidney disease patients with suspected cyst infection J Nucl Med (2018);6(1):61-67.	65
Chapter 5	FDG-PET/CT for diagnosis of cyst infection in autosomal dominant polycystic kidney disease Clin Transl Imaging (2018);6(1):61-67.	83
Chapter 6	FDG-PET/CT as a new method for diagnosis and whole-body evaluation of Lemierre syndrome Clin Nucl Med (2017) Aug;42(8):e377-380.	97
Chapter 7	FDG-PET/CT in intensive care patients with bloodstream infection Crit Care (2021) Apr 7;25(1):133.	105
Chapter 8	Clinical implications of increased uptake in bone marrow and spleen on FDG-PET in patients with bacteremia Eur J Nucl Med Mol Imaging (2021) May;48(5):1467-1477.	127
Chapter 9	Role of FDG-PET/CT in children with fever of unknown origin Eur J Nucl Med Mol Imaging (2020) Jun;47(6):1596-1604.	147

TABLE OF CONTENTS

Chapter 10	Importance of blood glucose management before FDG-PET/CT in 322 patients with bacteremia of unknown origin Submitted to Journal of Nuclear Medicine.	167
Chapter 11	Limitations and pitfalls of FDG-PET/CT in infection and inflammation Semin Nucl Med (2021) Jul 7:S0001-2998(21)0040-4.	187
Chapter 12	Summary, general discussion and conclusion	213
Appendices		225
	Nederlandse samenvatting Dutch summary	227
	List of publications	235
	Dankwoord	237
	Curriculum vitae	241

