



Universiteit
Leiden
The Netherlands

Fibrous dysplasia

Majoer, B.C.J.

Citation

Majoer, B. C. J. (2018, April 25). *Fibrous dysplasia*. Retrieved from <https://hdl.handle.net/1887/62059>

Version: Not Applicable (or Unknown)

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/62059>

Note: To cite this publication please use the final published version (if applicable).

Cover Page



Universiteit Leiden



The handle <http://hdl.handle.net/1887/62059> holds various files of this Leiden University dissertation

Author: Majoor, Bas

Title: Fibrous dysplasia

Date: 2018-04-25

Fibrous Dysplasia

Bas Majoor

Cover design Juleke Majoor, MD
Layout Renate Siebes | Proefschrift.nu
Printing ProefschriftMaken | www.proefschriftmaken.nl
ISBN 978-94-6295-863-0

© 2018 **B.C.J. Majoor**

All right reserved. No part of this thesis may be reproduced, distributed, stored in a retrieval system or transmitted in any form or by any means, without prior written permission of the author.

The research described in this thesis was kindly supported by a grant for research into Fibrous Dysplasia by the Bontius Foundation.

Publication of this thesis was kindly supported by the Bontius Foundation, Haaglanden Medisch Centrum, Leiden University, Implantcast, ETB-BISLIFE, de Nederlandse Vereniging voor Calcium- en Botstofwisseling, de Nederlandse Orthopaedie Vereniging, de Anna Foundation, Chipsoft and SEAHC.

Fibrous Dysplasia

Proefschrift

ter verkrijging van
de graad van Doctor aan de Universiteit Leiden,
op gezag van Rector Magnificus prof. mr. C.J.J.M. Stolker,
volgens besluit van het College voor Promoties
te verdedigen op woensdag 25 april 2018
klokke 15.00 uur

door

Bastiaan Cornelis Jules Majoor

geboren te Laren
in 1988

Promotor	Prof. dr. P.D.S. Dijkstra
Copromotores	Dr. N.A.T. Hamdy Dr. N.M. Appelman-Dijkstra
Leden promotiecommissie	Prof. dr. V.T.H.B.M. Smit Prof. dr. T.P.M. Vliet Vlieland Dr. M.T. Collins (NIH Bethesda, VS) Prof. dr. A. Leithner (MUG, Graz)

Voor Pap en Mam

Contents

Chapter 1	General introduction and outline of this thesis	9
PART I PAIN AND QUALITY OF LIFE IN FIBROUS DYSPLASIA		
Chapter 2	Pain in fibrous dysplasia: relationship with anatomical and clinical features	31
Chapter 3	Determinations of impaired quality of life in patients with fibrous dysplasia	45
Chapter 4	Illness perceptions are associated with quality of life in patients with fibrous dysplasia	61
PART II EXTRA-SKELETAL MANIFESTATIONS IN FIBROUS DYSPLASIA		
Chapter 5	Prevalence and clinical features of Mazabraud's syndrome, a multicentre European survey	83
Chapter 6	Increased risk of breast cancer at a young age in women with fibrous dysplasia	101
PART III SURGICAL TREATMENT		
Chapter 7	What is the role of allogeneic cortical strut grafts in the treatment of fibrous dysplasia of the proximal femur?	123
Chapter 8	Individualized approach to the surgical management of fibrous dysplasia of the proximal femur	143
Chapter 9	Clinical course and management of fibrous dysplasia of the humerus	171
PART IV MEDICAL TREATMENT		
Chapter 10	Outcome of long-term bisphosphonate therapy in McCune-Albright syndrome and polyostotic fibrous dysplasia	191
Chapter 11	Denosumab treatment in bisphosphonate-refractory fibrous dysplasia: a case series	221

SUMMARY AND GENERAL DISCUSSION

Chapter 12	Summary of this thesis	241
Chapter 13	General discussion	249
Chapter 14	Fibreuze dysplasie: een heterogeen ziektebeeld	265
Chapter 15	Nederlandse samenvatting	279

APPENDICES

Authors' affiliations	290
List of publications	291
Dankwoord	293
Curriculum vitae	295

