

ONLINE SUPPLEMENTARY DATA

Ethics approval and consent to participate

All patients included in this study provided written informed consent. The study was approved by the following local medical ethical committees:

Investigator	Ethics Board	Approval/Reference No.
Cheryl Barnabe	University of Calgary Conjoint Health Research Ethics Board	Ethics ID: E-24487
Gilles Boire	Comité d'éthique de la recherche en santé chez l'humain du Centre hospitalier universitaire de Sherbrooke	Pour le projet # 11-069
Carol Hitchon	University of Manitoba Bannatyne Campus Health Research Ethics Board	Ref No: H2011:177
Joanne Homik	University of Alberta Health Research Ethics Board	Pro00020927
Maggie Larché	Hamilton Integrated Research Ethics Board	Project # 12-3691
Proton Rahman	Health Research Ethics Authority of Newfoundland & Labrador	Ref # 11.351
Saeed Shaikh	Institutional Review Board Services	N/A
Carter Thorne	Southlake Regional Health Centre Research Ethics Board	SRHC# 0020-1112
Mikkel Østergaard	De Videnskabsetiske Komiteer i Region Hovedstaden	H-4-2011-085
Bernard Combe (National Approval)	Comité de Protection des Personnes Sud-Méditerranée IV	National PI Réf # 11 08 03; N° ID-RCB: 2011-A00883-38; Réf Promoteur UF 8783 (RA BIODAM); Réf. AFSSAPS: B111182-40
Alain Cantagrel	Comité de Protection des Personnes Sud-Méditerranée IV	Réf # 11 08 03; N° ID-RCB: 2011-A00883-38; Réf Promoteur UF 8783 (RA BIODAM); Réf. AFSSAPS: B111182-40
Maxime Dougados	Comité de Protection des Personnes Sud-Méditerranée IV	Réf # 11 08 03; N° ID-RCB: 2011-A00883-38; Réf Promoteur UF 8783 (RA BIODAM); Réf. AFSSAPS: B111182-40

René-Marc Flipo	Comité de Protection des Personnes Sud-Méditerranée IV	Réf # 11 08 03; N° ID-RCB: 2011-A00883-38 ; Réf Promoteur UF 8783 (RA BIODAM); Réf. AFSSAPS: B111182-40
Alain Saraux	Comité de Protection des Personnes Sud-Méditerranée IV	Réf # 11 08 03; N° ID-RCB: 2011-A00883-38; Réf Promoteur UF 8783 (RA BIODAM); Réf. AFSSAPS: B111182-40
Thierry Schaeverbeke	Comité de Protection des Personnes Sud-Méditerranée IV	Réf # 11 08 03; N° ID-RCB: 2011-A00883-38; Réf Promoteur UF 8783 (RA BIODAM); Réf. AFSSAPS: B111182-40
Marina Backhaus/ Gerd Burmester	Ethikausschuss 1 am Campus Charité - Mitte	Application No: EA1/255/11
Thomas Neumann	Universitätsklinikum Jena Ethik-Kommission	Bearbeitungs Nr: 3466-06/12
Wolfgang Spieler	Die Ethikkommission der Ärztekammer Sachsen-Anhalt	23/12
Ingo Tarner	Ethik-Kommission am Fachbereich Medizin Justus -Liebig Universität Giessen	AZ: 40/12
Oliver FitzGerald	St. Vincent's Healthcare Group Limited Ethics and Medical Research Committee	N/A
Ori Elkayam	Tel Aviv Sourasky Medical Center Institutional Review Board (Helsinki Committee)	0146-11-TLV
Gianfranco Ferraccioli	Università Cattolica Del Sacro Cuore Facoltà di Medicina E Chirurgia "Agostino Gemelli" Comitato Etico	Prot If (A.1135)/C.E./2011; p/797/CE 2011
Maurizio Rossini	Azienda Ospedaliera Universitaria Integrata Verona Dipartimento Direzione Medica Ospedaliera e Farmacia Comitato Etico Per La Sperimentazione	Sperimentazione n. prog. CE 2156
Leonardo Punzi	Regione Veneto Azienda Ospedaliera di Padova Comitato Etico per la Sperimentazione	Prot. N. 2554P
Marcello Govoni	Comitato Etico Della Provincia Di Ferrara	Protocollo n. 118-2011
Piercarlo Sarzi-Puttini	Ospedale Luigi Sacco, Azienda Ospedaliera - Polo Universitario, Comitato Etico Locale ET/nb	Prot. N. 272/2012/20/AP
Luigi Sinigaglia	Azienda Ospedaliera, Istituto Ortopedico Gaetano Pini, Comitato Etico	4/2011

Robert Landewé	Medisch Ethische ToetsingsCommissie van Zuyderland én van Zuyd Hogeschool	Ref: MECT 11-T-98; Ref: NL38200.096.11
Renée Allaart	Leids Universitair Medisch Centrum Commissie Medische Ethiek	Ref: METC 11-T-98; Ref: NL38200.096.11; Ref: P12.049/SH/sh
Paul-Peter Tak	Medisch Ethische Commissie, Academisch Medisch Centrum Universiteit van Amsterdam	METC 12-015
Dirkjan van Schaardenburg	Leids Universitair Medisch Centrum, Commissie Medische Ethiek, Medisch Ethische Eoetsingscommissie, voor het Slotervaartziekenhuis en Reade	Ref: MECT 11-T-98; Ref: NL38200.096.11; Nummer: U/12.014/P1204
Hilde Berner Hammer	REK Regionale Komiteer for Medisinsk Og Helsefaglig Forskningsetikk	Ref: 2011/1338
Clifton Bingham	Johns Hopkins Medicine Institutional Review Boards	Study #: NA_00052505
Philip Mease	Western Institutional Review Board (WIRB)	Study Num: 1128284; WIRB Pro Num: 20111712
Joan Bathon	Columbia University Medical Center Institutional Review Board	Protocol Number: IRB- AAAI4651
Christopher Ritchlin	University of Rochester Research Subjects Review Board	RSRB: RSRB00039665
Vivian Bykerk	Institutional Review Board of the Hospital for Special Surgery	2014-228-CR2

N/A An ethics approval number is not provided by these ethics committees