

Interim 2-year analysis from SERENA: A real-world study in patients with psoriatic arthritis or ankylosing spondylitis treated with secukinumab

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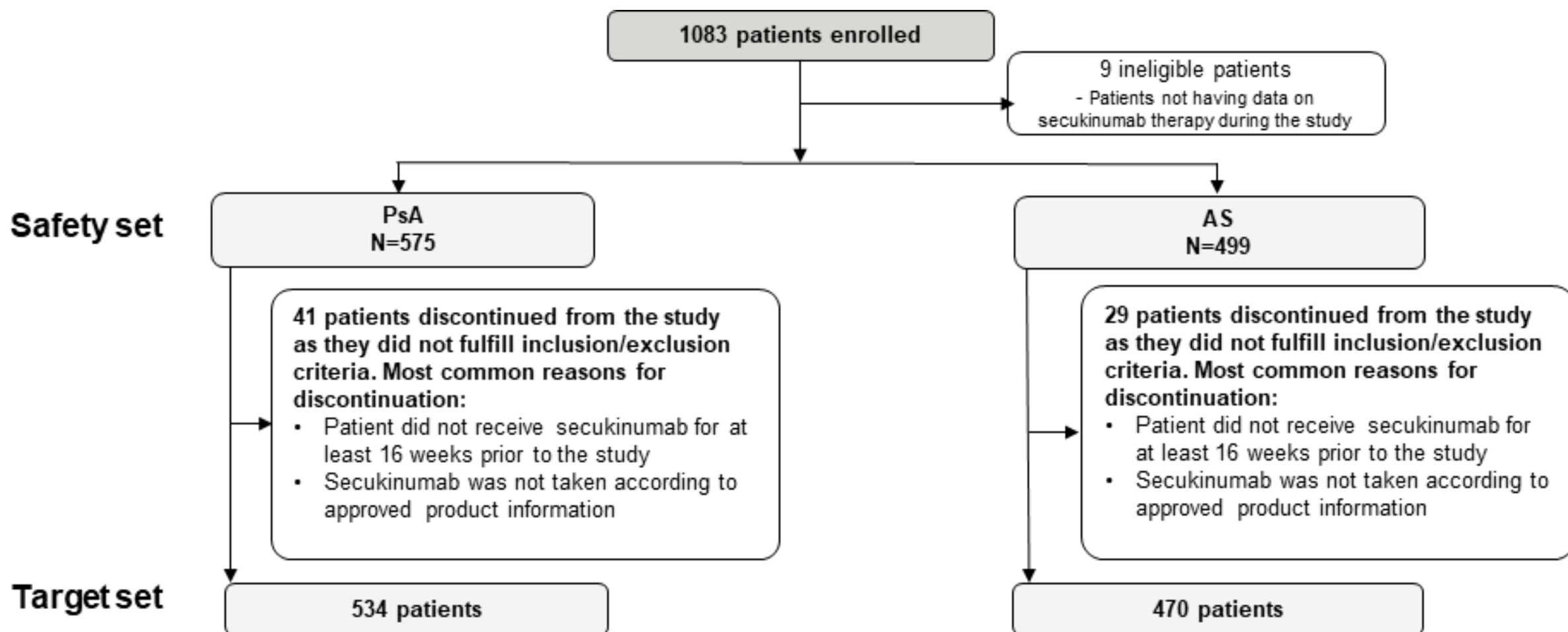
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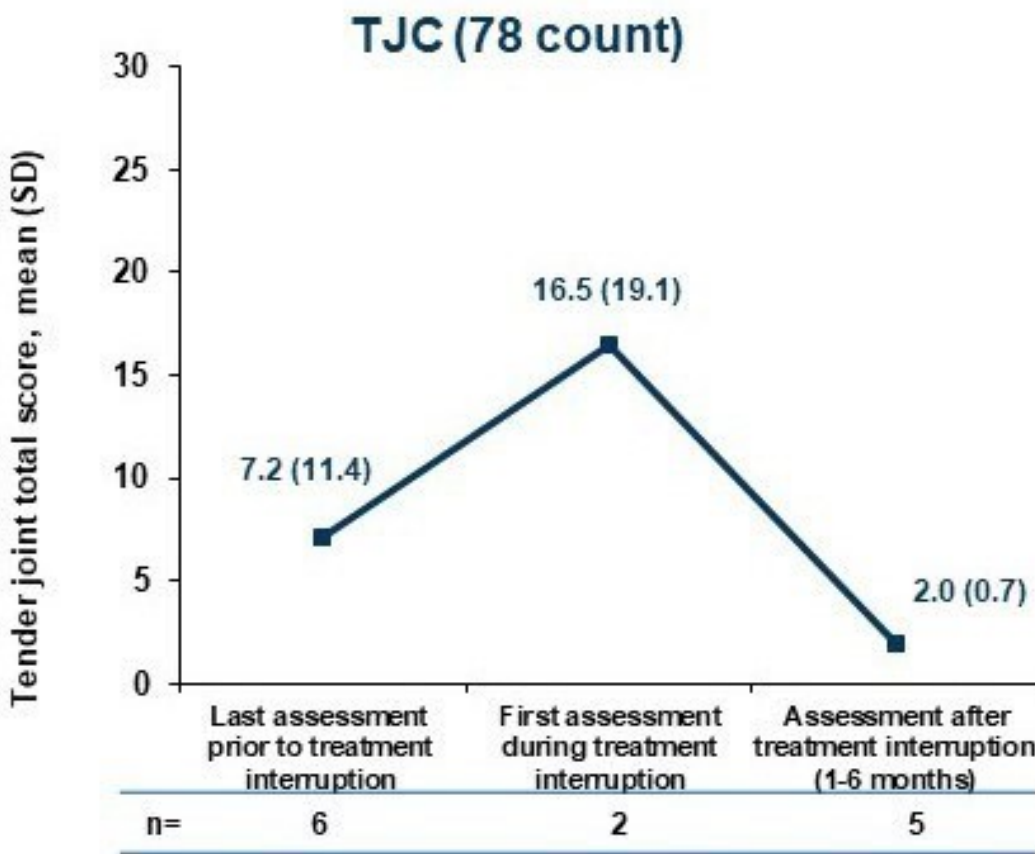
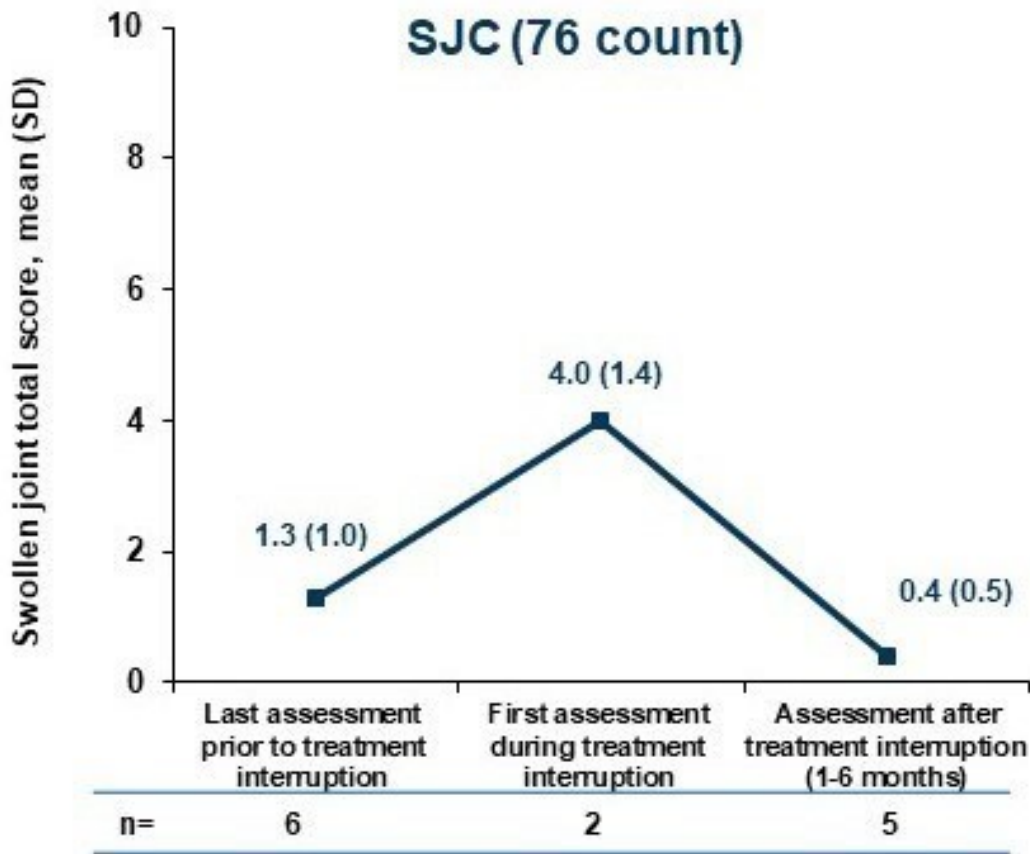
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Supplementary figure S1: Patient Disposition

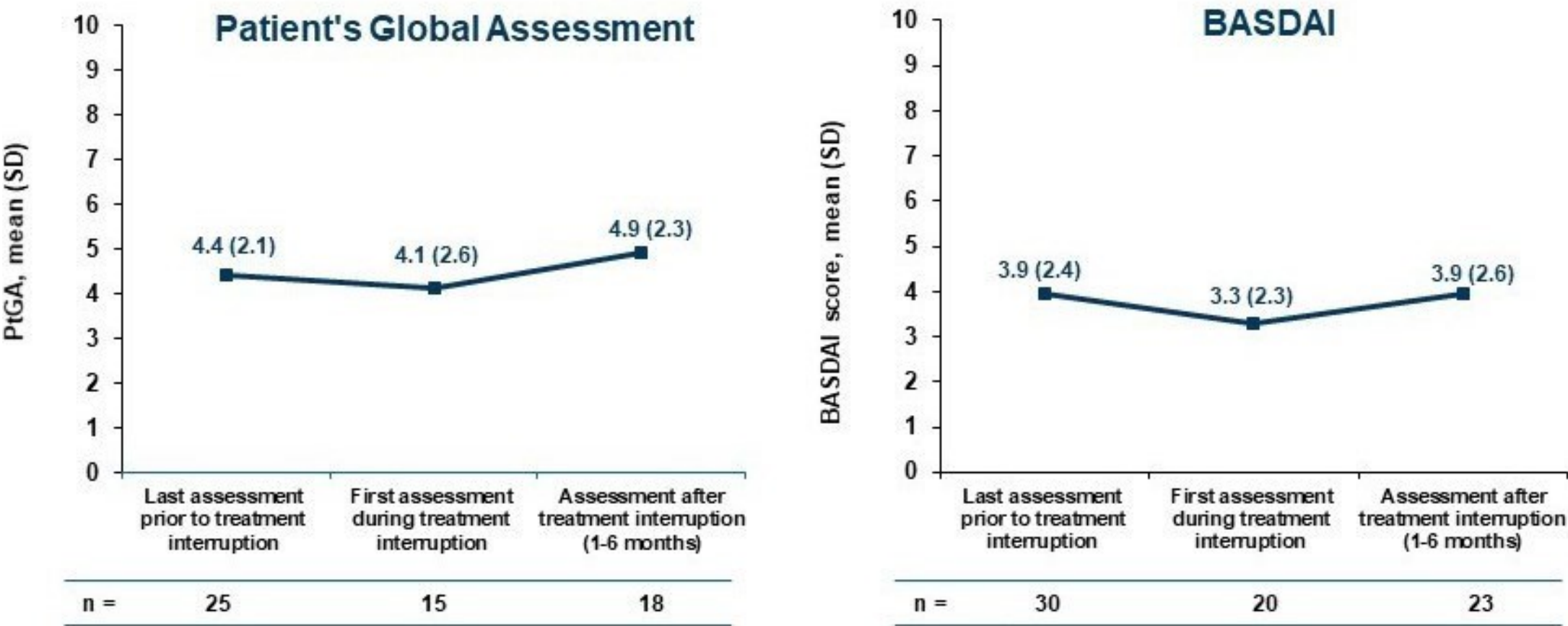


Supplementary figure S2: Swollen and tender joint count over treatment interruption–PsA cohort



The last assessment prior to the intermediate treatment interruption was used as baseline. If a patient had more than one intermediate treatment interruption, then the break with 1. assessments in all of the temporal periods (prior/during/post the intermediate treatment interruption) and 2. the longest duration was included. Patients with assessments in only one of the temporal periods were not included. n, number of patients with non-missing data; PsA, psoriatic arthritis

Supplementary figure S3: Patient’s Global Assessment and BASDAI score over treatment interruption– AS cohort



The last assessment prior to the intermediate treatment interruption was used as baseline. If a patient had more than one intermediate treatment interruption, then the break with 1. assessments in all of the temporal periods (prior/during/post the intermediate treatment interruption) and 2. the longest duration was included. Patients with assessments in only one of the temporal periods were not included. AS, ankylosing spondylitis; BASDAI, Bath Ankylosing Spondylitis Disease Activity Index; PtGA, Patient Global Assessment; n, number of patients with non-missing data.

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Israel	Rambam Medical Center	Michal Ramon
Israel	Bnai Zion Medical Center	Itzhak Rosner
Israel	Tel Aviv Sourasky Medical Center Ichilov Rheumatology Institute	Ori Elkayam
Israel	Sheba MC	Merav Lidar
Israel	Rabin Medical Center	Lev Pavlovsky
Israel	Galilee Medical Center	Mohammad Naffaa
Israel	Puria MC	Sabbah Firas
Italy	AOU Pisana Presidio Ospedaliero S Chiara U.O. Dermatologia	Marco Romanelli
Italy	AO Città della Salute e della Scienza TO - PO Derm.S.Lazzaro S.C. Dermatologia U	Paolo Dapavo
Italy	AZ USL TOSCANA S E P O MISERICORDIA U.O.C. Dermatologia	Michele Pellegrino
Italy	A O U Universita degli Studi della Campania Luigi Vanvitelli U.O.C.di Dermat.e Venerologia	Giuseppe Argenziano
Italy	A.S.Uni.integr di UD. P.O.S.Maria Misericordia UD. UnivStudi S.O.C. Clinica di Dermatologia	Giuseppe Stinco
Italy	AOU Osp Riuniti Umberto I GM Lancisi G Salesi Univ Studi S.O.D. Clinica di Dermatologia	Annamaria Offidani
Italy	Istituto Dermopatico dell'Immacolata IRCCS I° Divisione Dermatologica	Gianluca Pagnanelli
Italy	Azienda Ospedaliera G. Rummo U.O.C. di Dermatologia	Francesco Cusano
Italy	Presidio Ospedaliero S. Antonio Abate ASP Trapani U.O.C. Dermatologia	Leonardo Zichichi
Italy	Az Ospedaliero Universitaria Maggiore della Carita S C D U Clinica Dermatologica	Paola Savoia
Italy	Azienda USL Toscana Centro S.O.S.Immunopat.Cutanea	Marzia Caproni
Italy	Az Osp Univ Policlinico P Giaccone Universita Studi Palermo UOC Dermat.e Mal.Ses.Trasmesse	Maria Rita Bongiorno
Italy	A O Policlinico Umberto I Universita La Sapienza UOC Clin.Derm.Dip.Med.Interna	Antonio Richetta
Italy	P.O.Osp.Cliniciz.SS.Annunziata Colle dell'Ara Uni.D'Annunzio Clinica Dermatologica Dip.Med.	Paolo Amerio
Italy	Az. Osp. di Bologna Policl. S. Orsola-Malpighi - Univ.Studi UOC Dip.Tes.Col. ed Org. Sen.	Federico Bardazzi
Italy	Pr.Osp.Macerata Area Vasta3 ASUR Marche - Az.San.Unica Reg . U.O.C. Dermatologia	Marco Simonacci
Italy	Az Osped Universitaria Senese Ospedale S Maria alle Scotte U.O.S Allergologia Dermatolog.	Laura Lazzeri
Italy	A S U R Marche Area Vasta 2 P O Carlo Urbani U.O. Clinica Reumatologica	Rossella De Angelis
Italy	Azienda Ospedaliera San Camillo Forlanini U.O.S.D. Reumatologia	GianDomenico Sebastiani
Italy	A.S.Uni.integr di UD. P.O.S.Maria Misericordia UD. UnivStudi Clinica di Reumatologia	Salvatore De Vita
Italy	AOU Policlinico Mater Domini Univ Magna Graecia Catanzaro Rheumatology Research Unit	Rosa Daniela Grembiale
Italy	ASST Ovest Milanese Az. Osped. Ospedale Civile di Legnano U.O.Medicina Interna	Antonino Mazzone
Italy	ASST Grande Ospedale Metropolitano Niguarda S.C. Reumatologia	Oscar Massimiliano Epis
Italy	Az.Osped.Ordine Mauriziano P.O. Ospedale Umberto I S.S.D.	Claudia Lomater

	Reumatologia	
Italy	AORNAS Presidio Ospedaliero Garibaldi Centro U.O.D. Reumatologia	Maria De Andres
Italy	Azienda Ospedaliero Universitaria di Sassari U.O.C. di Reumatologia	Gian Luca Erre
Netherlands	Bravis Ziekenhuis	Milan Tjioe
Netherlands	Amphia Ziekenhuis locatie Molengracht	Wim de Kort
Netherlands	Radboud UMC Afdeling Dermatologie	De Jong
Netherlands	Noordwest Ziekenhuisgroep	M. Gamala
Portugal	Centro Hospitalar do Porto Hospital Geral de Santo Antonio Dermatologia	Tiago Torres
Portugal	Fundacao Champalimaud	Ana Fidalgo
Portugal	CHLC EPE Hospital	Gabriela Pinto
Portugal	Centro Hospitalar de Lisboa Norte Hospital de Santa Maria	Joana Antunes
Russia	Perm regional clinical hospital of Sign of Honour medal	Natalia Grigoriadi
Russia	Chelyabinsk Dermatovenerology disp	Oleg Ziganshin
Russia	Baranovs Republican Hospital	Irina Marusenko
Russia	Tula Regional Clinical Hospital Dermatovenerologic dispensary	Natalia Rudneva
Russia	National Medical Surgical Center RF MH named by N.I.Pirogov	Vladimir Tyurin
Russia	State Budgetary Healthcare Institution Clinical	Alkes Khotko
Russia	Ulyanovsk Regional Clinical Hospital	Irina Vinogradova
Russia	Republican CDC of Minzdrav UR	Larisa Ivanova
Russia	Novosibirsk Lymphology Institute Lymphology Institute Clinica	Maksim Korolev
Russia	Irkutsk Municipal Clinical Hospital N 1	Olga Antipova
Russia	Dermatovener Cosmetology Center	Pavel Gorodnichev
Slovenia	Dermatovenerologija Natalija Evdakova Bodiroza s.p. Location - Bleiweisova	Natalija Evdakova Bodiroza
Slovenia	Arsderma dermatoloski center	Helena Rupnik
Slovenia	Dermatologija Maja Kalac Pandurovic d.o.o.	Maja Kalac Pandurovic
Switzerland	Haut und Allergie Zentrum	Tobias Plaza
Switzerland	Cabinet	Anne-Karine Lapointe
Switzerland	Praxis	Martin Kägi
Switzerland	Dermapoint	Gerald Rehor
Switzerland	Skinpulse Center	Pierre Piletta
Switzerland	Clinique Seujet dermatologie	Damjan Nikolic
Switzerland	Dermatologie Huebscher	Angela Neub
Switzerland	Kantonsspital St Gallen Dermatologie Department	Antonio Cozzio
Switzerland	Studio Medico 6500derma	Davide Donghi
Switzerland	Dermatologische Klinik	Alexander Navarini
Switzerland	Service de Dermatologie - CHUV	Curdin Conrad
Switzerland	Praxis	Marguerite Krasovec
United Kingdom	Hull East Yorkshire Hospitals NHS Trust	Yusuf Patel
United Kingdom	Great Western Hospital	Sara Carty
United Kingdom	Royal United Hospital Bath	Raj Sengupta
United Kingdom	Basingstoke and North Hampshire Hospital	Emma Williams
United Kingdom	Cannock Chase Hospital	Thomas Sheeran
United Kingdom	Haywood Hospital Dermatology	Jonathan Packham
United Kingdom	Leighton Hospital	Kiran Putchakayala
United Kingdom	Barnsley Hospital NHS Foundation Trust Department of Rheumatology	Hisham Sharlala
United Kingdom	Torbay Hospital Rheumatology Department	Kirsten Mackay
United Kingdom	Guys and St Thomas Hospital NHS Trust Rheumatology Department	Bruce Kirkham
United Kingdom	Doncaster Royal Infirmary	Chee seng Yee
United Kingdom	New Cross Hospital	Nick Barkham
United Kingdom	Sunderland Royal Hospital	Catherine Morley
United Kingdom	Leicester Royal Infirmary	Arumugam Moorthy
United Kingdom	Homerton University Hospital Rheumatology Department	Piero Reynolds
United Kingdom	Whipps Cross Hospital	Simon Donnelly
United Kingdom	Craigavon Area Hospital	Nicola Maiden
United Kingdom	Royal Cornwall Hospital	David Hutchinson

United Kingdom	Queen Alexandra Hospital Portsmouth Haem & Onc Centre	Steven Young Min
United Kingdom	Wrexham Maelor Hospital	Nureddin Sheli

Supplementary table 2. List of ethical committees/ institutional review boards

Country	EC/IRB Name
Austria	Ethikkommission der Medizinischen Universität Wien
Belgium	Commissie Medische Ethiek UZ Brussel
Belgium	Comité d'Ethique Erasme
Belgium	NA (private practice)
Belgium	NA (private practice)
Belgium	Comité d'Ethique André Renard Herstal
Belgium	NA (private practice)
Belgium	Comissie Medische Ethiek, AZ St-Lucas
Belgium	Comité d'Ethique Grand Hôpital de Charleroi
Belgium	Ethisch Comité UZ Gent
Belgium	NA (private practice)
Belgium	NA (private practice)
Belgium	Ethisch Comité AZ Sint-Jan Brugge
Belgium	Ethisch Comité AZ Sint-Lucas Brugge
Belgium	Comité d'Ethique Grand Hôpital de Charleroi
Belgium	Comité d'Ethique Iris Ziekenhuizen Zuid
Belgium	NA (private practice)
Bulgaria	Ethics Committee for Clinical Trials
Czech Republic	Eticka komise FN Ostrava
Czech Republic	Eticka komise FN Kralovske Vinohrady
Czech Republic	Eticka komise FN Hradec Kralove
Czech Republic	Eticka komise VFN
Czech Republic	Eticka komise FN Motol
Czech Republic	Eticka komise Nemocnice Jihlava
Czech Republic	Eticka komise Uherskohradistske nemocnice, a.s.
Czech Republic	Eticka komise Nemocnice Jihlava
Czech Republic	Eticka komise Revmatologickeho ustavu
Czech Republic	Eticka komise Nestatni zdravotnicke zarizeni
Estonia	Research Ethics Committee of the University of Tartu
Estonia	Research Ethics Committee of the University of Tartu
Estonia	Research Ethics Committee of the University of Tartu
Estonia	Research Ethics Committee of the University of Tartu
Ireland	SJH/AMNCH Research and Ethics Committee,
Ireland	Ethics and medical Research Committee
Ireland	Clinical Research Ethics Committee of the Cork Teaching Hospital
Ireland	Galway REC
Ireland	HS NE REC
Ireland	Mater REC
Ireland	Clinical Research Ethics Committee of the Cork Teaching Hospital
France	NA
Greece	Olympion Hospital
Greece	Andreas Syggros Hospital
Greece	University Hospital Larisa
Greece	General Hospital of Piraeus Tzaneio
Greece	PEPAGNI
Greece	University Hospital Larisa
Greece	University Hospital Larisa
Greece	University Hospital Larisa
Greece	401 Army Hospital Athens
Greece	KAT Hospital
Greece	Attikon Hospital
Greece	University Hospital Larisa
Greece	Andreas Syggros Hospital
Greece	University Hospital Larisa
Greece	University Hospital Larisa
Greece	Andreas Syggros Hospital
Greece	Euromedica G C of Thessaloniki
Greece	Papageorgiou Hospital
Greece	University Hospital of Patras Panagia i Voitheia
Greece	Hospital of Skin and Venereal
Greece	Euromedica G C of Thessaloniki

Greece	Euromedica G C of Thessaloniki
Greece	Euromedica G C of Thessaloniki
Greece	Euromedica G C of Thessaloniki
Greece	Euromedica G C of Thessaloniki
Greece	Euromedica G C of Thessaloniki
Greece	Euromedica G C of Thessaloniki
Greece	Euromedica Kyanous Stavros
Greece	Euromedica G C of Thessaloniki
Greece	Agios Andreas Hospital
Greece	Naval Hospital of Athens
Greece	Euromedica Kyanous Stavros
Greece	Laiko Hospital
Greece	Euromedica Kyanous Stavros
Greece	Attikon Hospital
Greece	Olympion Hospital
Greece	KAT Hospital
Greece	Laiko Hospital
Greece	Euromedica Kyanous Stavros
Greece	Ippokrateio
Greece	Metropolitan Hospital
Greece	University General Hospital of Larissa
Greece	Euromedica G C of Thessaloniki
Greece	PEPAGNI
Greece	ERRIKOS NTYNAN
Greece	ERRIKOS NTYNAN
Greece	Euromedica G C of Thessaloniki
Greece	Euromedica G C of Thessaloniki
Greece	Euromedica G C of Thessaloniki
Greece	Ippokrateio
Greece	Univ.G.H of Ioannina
Greece	Euromedica G C of Thessaloniki
Hungary	Egészségügyi Tudományos Tanács (ETT)
Israel	sheba
Israel	Ichilov
Israel	Macabi
Israel	Rambam
Israel	Bnai Zion
Israel	Ichilov
Israel	Sheba
Israel	Rabin
Israel	Galil
Israel	Poria
Italy	COMITATO REGIONE TOSCANA - AREA VASTA NORD OVEST
Italy	COMITATO ETICO INTERAZIENDALE
Italy	COMITATO ETICO REGIONE TOSCANA - AREA VASTA SUD EST
Italy	COMITATO ETICO SECONDA UNIVERSITA' DEGLI STUDI DI NAPOLI - UNIVERSITA' DEGLI STUDI DELLA CAMPANIA L. VANVITELLI - A.O.R.N. OSPEDALI DEI COLLI
Italy	Comitato Etico Unico Regionale (CEUR) c/o Direzione Scientifica del Centro di riferimento Oncologico di Aviano
Italy	Comitato Etico Regionale (Cer) Delle Marche
Italy	Comitato Etico dell'IRCCS Istituto Dermopatico dell'Immacolata
Italy	Comitato Etico Campania Nord C/O Azienda Ospedaliera 'S. GiuseppeMoscati' Di AvellinoContrada Amoretta-Citta' Ospedaliera
Italy	Comitato Etico Palermo 2 Villa Sofia - Cervello
Italy	Comitato Etico Interaziendale Novara
Italy	Comitato Etico Regione Toscana - Area Vasta Centro
Italy	Comitato Etico Palermo 1
Italy	Comitato Etico Dell'universita' Sapienza
Italy	Comitato Etico Per Le Province Di Chieti E Pescara
Italy	Comitato Etico di Area Vasta Emilia Centro della Regione Emilia-Romagna CE-AVEC
Italy	Comitato Etico Regionale (CER) delle Marche
Italy	Comitato Etico Regione Toscana - Area Vasta Sud Est
Italy	Comitato Etico Regionale (Cer) Delle Marche
Italy	Comitato Etico Lazio 1
Italy	Comitato Etico Unico Regionale (CEUR) c/o Direzione Scientifica del Centro di riferimento Oncologico di Aviano
Italy	Comitato Etico Regione Calabria Sezione Area Centro
Italy	Comitato Etico Milano Area 3

Italy	Comitato Etico Milano Area 3
Italy	Comitato Etico Interaziendale
Italy	Comitato Etico Catania 2
Italy	Comitato Etico Indipendente Dell'azienda Ospedaliera Universitaria Di Cagliari
The Netherlands	METC Brabant
Portugal	Comissão de Ética para a Saúde do Centro Hospital do Porto
Portugal	Comissão de Ética para a Saúde Fundação Champalimaud
Portugal	Comissão de Ética para a Saúde CHLC - Hospital Santo António dos Capuchos
Portugal	Comissão de Ética do CHLN - Hospital Santa Maria
Russia	Independent Interdisciplinary EC on ethical review of clinical trials
Slovenia	Komisija Republike Slovenije za medicinsko etiko
Switzerland	Kantonale Ethikkommission Zürich
Germany	Ethik-Kommission der Ärztekammer Hamburg
Croatia	Sredisnje Eticko Povjerenstvo
UK	East of England Ethics