

Molecular determinants of sotorasib clinical efficacy in *KRAS*^{G12C}-mutated non-small-cell lung cancer

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DATA SUPPLEMENT

List of study sites and Institutional Review Board/Independent Ethics Committees

Country	Site Name	Institutional Review Board/Independent Ethics Committee Name
Australia	Peter MacCallum Cancer Centre	Peter MacCallum Cancer Centre Ethics Committee
	The Queen Elizabeth Hospital	Central Adelaide Local Health Network Research Office
	Scientia Clinical Research Ltd	Bellberry Limited, Human Research Ethics Committee
	Princess Alexandra Hospital	Metro South Health Research Governance Office
	Princess Alexandra Hospital	Central Adelaide Local Health Network Human Research Ethics Committee
Austria	Universitaetsklinikum Allgemeines Krankenhaus Wien	Ethikkommission der Medizinischen Universität Wien und des Allgemeinen Krankenhauses der Stadt Wien
	Medizinische Universität Innsbruck	Ethikkommission der Medizinischen Universität Innsbruck
	Medizinische Universität Graz	Ethikkommission der Medizinischen Universität Graz
	Universitaetsklinikum Krems	Ethikkommission des Landes Niederoesterreich
	Krankenhaus Nord - Klinik Floridsdorf	Ethikkommission der Stadt Wien
Belgium	Universitair Ziekenhuis Antwerpen	Universitair Ziekenhuis Antwerpen - Ethisch Comité
	Universitair Ziekenhuis Gent	Universitair Ziekenhuis Gent - Ethisch Comité
	Universitair Ziekenhuis Gent	Universitair Ziekenhuis Antwerpen - Ethisch Comité
	Universitair Ziekenhuis Leuven - Campus Gasthuisberg	Ethische Commissie Onderzoek UZ/KU Leuven
	Universitair Ziekenhuis Leuven - Campus Gasthuisberg	Universitair Ziekenhuis Antwerpen - Ethisch Comité
	Institut Jules Bordet	Comité d'Ethique Institut Jules Bordet
	Institut Jules Bordet	Universitair Ziekenhuis Antwerpen - Ethisch Comité
	Ziekenhuis Oost-Limburg	Ziekenhuis Oost-Limburg - Comité Medische Ethiek

	Jessa Ziekenhuis - Campus Virga Jesse	Jessa Ziekenhuis - Ethische toetsingscommissie
	Grand Hopital de Charleroi	Grand Hopital de Charleroi Comite d'Ethique
	AZ Delta Campus Rumbeke	AZ Delta-Commissie medische ethiek
	Centre Hospitalier Universitaire de Liege	Comite d'Ethique Centre Hospitalier Universitaire de Liege
Brazil	Hospital de Base de Sao Jose do Rio Preto	Comite de Etica em Pesquisa em Seres Humanos da Faculdade de Medicina de Sao Jose do Rio Preto
	Hospital Sao Lucas da Pontificia Universidade Catolica do Rio Grande do Sul	Comite de Etica em Pesquisa da Pontificia Universidade Catolica do Rio Grande do Sul
	Irmandade da Santa Casa de Misericordia de Porto Alegre, Nucleo de Novos Tratamentos em Cancer	Comite de Etica em Pesquisa da Irmandade da Santa Casa de Misericordia de Porto Alegre
	Oncologia Rede D'Or	Comite de Etica em Pesquisa Hospital e Maternidade Sao Luiz Itaim
	Instituto Coi	Comite de Etica em Seres Humanos do Pesquisa do Hospital Pro Cardiaco
	Sociedade Beneficente de Senhoras Hospital Sirio Libanes	Comite de Etica em Pesquisa da Sociedade Beneficente de Senhoras Hospital Sirio Libanes
Canada	Princess Margaret Cancer Centre	Ontario Cancer Research Ethics Board
	The Ottawa Hospital Cancer Centre	Ontario Cancer Research Ethics Board
	London Regional Cancer Program, London Health Sciences Centre	Ontario Cancer Research Ethics Board
	Cross Cancer Institute	Health Research Ethics Board of Alberta The Cancer Committee
	Tom Baker Cancer Centre	Health Research Ethics Board of Alberta The Cancer Committee
	McGill University Health Centre Glen Site	
France	Hopital de la Timone	Comite de Protection des Personnes Sud Est II - Groupement hospitalier Est
	Institut Claudius Regaud	Comite de Protection des Personnes Sud Est II - Groupement hospitalier Est
	Gustave Roussy	Comite de Protection des Personnes Sud Est II - Groupement hospitalier Est
	Institut Curie	Comite de Protection des Personnes Sud Est II - Groupement hospitalier Est

	Institut Bergonie	Comite de Protection des Personnes Sud Est II - Groupement hospitalier Est
	Centre Hospitalier Intercommunal de Créteil	Comite de Protection des Personnes Sud Est II - Groupement hospitalier Est
Germany	Universitätsklinikum Essen	Ethik-Kommission der Medizinischen Fakultät der Universität Duisburg- Essen
	Universitätsklinikum Köln	Ethikkommission der Universität Köln
	Universitätsklinikum Köln	Ethik-Kommission der Medizinischen Fakultät der Universität Duisburg- Essen
	Klinikum der Universität München Campus Grosshadern	Ethik-Kommission der Medizinischen Fakultät der Universität Duisburg- Essen
	Klinikum der Universität München Campus Grosshadern	Ethik-Kommission der Medizinischen Fakultät der LMU München
Greece	Henry Dunant Hospital Center	National Ethics Committee
	Agios Loukas Clinic	National Ethics Committee
	Metropolitan Hospital	National Ethics Committee
	University Hospital of Heraklion	National Ethics Committee
	Theagenion Cancer Hospital	National Ethics Committee
Hungary	Semmelweis Egyetem	Egeszsegugyi Tudomanyos Tanacs, Klinikai Farmakologiai Etikai Bizottsaga
	Tudogyogyintezet Torokbalint	Egeszsegugyi Tudomanyos Tanacs, Klinikai Farmakologiai Etikai Bizottsaga
	Fejer Megyei Szent Gyorgy Egyetemi Oktato Korhaz	Egeszsegugyi Tudomanyos Tanacs, Klinikai Farmakologiai Etikai Bizottsaga
	Somogy Megyei Kaposi Mor Oktato Korhaz	Egeszsegugyi Tudomanyos Tanacs, Klinikai Farmakologiai Etikai Bizottsaga
	Orszagos Koranyi Pulmonologiai Intezet	Egeszsegugyi Tudomanyos Tanacs, Klinikai Farmakologiai Etikai Bizottsaga
	Szent Borbala Korhaz	Egeszsegugyi Tudomanyos Tanacs, Klinikai Farmakologiai Etikai Bizottsaga
Japan	National Cancer Center Hospital East	National Cancer Ctr IRB 2-J
	National Hospital Organization Kyushu Cancer Center	National Hospital Organization Kyushu Cancer Center Institutional Review Board

	Sendai Kousei Hospital	Sendai Kousei Hospital Institutional Review Board
	Kanagawa Prefectural Hospital Organization Kanagawa Cancer Center	Kanagawa Cancer Center Institutional Review Board
	Wakayama Medical University Hospital	Wakayama Medical University Institutional Review Board
	Aichi Cancer Center	Aichi Cancer Center Institutional Review Board
	National Hospital Organization Shikoku Cancer Center	National Hospital Organization Shikoku Cancer Center Institutional Review Board
	Shizuoka Cancer Center	Shizuoka Cancer Center Institutional Review Board
	Kansai Medical University Hospital	Kansai Medical University Hospital Institutional Review Board
	The Cancer Institute Hospital of Japanese Foundation for Cancer Research	The Cancer Institute Hospital of Japanese Foundation for Cancer Research Institutional Review Board
	Osaka International Cancer Institute	Osaka International Cancer Institute Institutional Review Board
	St Marianna University Hospital	St Marianna University Group Institutional Review Board
	Okayama University Hospital	IRB of Okayama University Hospital
	National Hospital Organization Hokkaido Cancer Center	National Hospital Organization Hokkaido Cancer Center Institutional Review Board
Portugal	Niigata Cancer Center Hospital	Niigata Cancer Center Hospital Institutional Review Board
	Centro Hospitalar Universitario de Lisboa Norte EPE - Hospital Pulido Valente	Comissao de Etica para a Investigacao Clinica
	Centro Hospitalar Universitario do Porto EPE - Hospital de Santo Antonio	Comissao de Etica para a Investigacao Clinica
	Unidade Local de Saude de Matosinhos, EPE - Hospital Pedro Hispano	Comissao de Etica para a Investigacao Clinica
	Fundacao Champalimaud	Comissao de Etica para a Investigacao Clinica
	Hospital Cuf porto	Comissao de Etica para a Investigacao Clinica
Romania	SC Oncomed SRL	National Bioethics Committee for Medicines and Medical Devices
	Institutul Oncologic Prof Dr Ion Chiricuta Cluj-Napoca	National Bioethics Committee for Medicines and Medical Devices

	Centrul de Oncologie Sf Nectarie SRL	National Bioethics Committee for Medicines and Medical Devices
	SC Medisprof SRL	National Bioethics Committee for Medicines and Medical Devices
	Institutul Oncologic, Prof Dr Alexandru Trestioreanu	National Bioethics Committee for Medicines and Medical Devices
	Institutul Regional de Oncologie Iasi	National Bioethics Committee for Medicines and Medical Devices
	Spitalul Municipal Ploiesti	National Bioethics Committee for Medicines and Medical Devices
	Centrul de Radioterapie Amethyst Cluj	National Bioethics Committee for Medicines and Medical Devices
South Korea	Asan Medical Center	Asan Medical Center Institutional Review Board
	Seoul National University Hospital	Seoul National University Hospital Institutional Review Board
	Samsung Medical Center	Samsung Medical Center Institutional Review Board
	The Catholic University of Korea Seoul St Marys Hospital	The Catholic University of Korea Seoul St Marys Hospital Institutional Review Board
	Severance Hospital Yonsei University Health System	Severance Hospital Institutional Review Board
	National Cancer Center	National Cancer Center IRB
	Seoul National University Bundang Hospital	Seoul National University Bundang Hospital Institutional Review Board
Spain	Clinica Universidad de Navarra	CEIC Hospital General Universitario Gregorio Marañon
	Hospital General Universitario de Valencia	CEIC Hospital General Universitario Gregorio Marañon
	Fundacion Jimenez Diaz	CEIC Hospital General Universitario Gregorio Marañon
	Hospital Universitario Madrid Sanchinarro	CEIC Hospital General Universitario Gregorio Marañon
	Hospital General Universitario Gregorio Marañon	CEIC Hospital General Universitario Gregorio Marañon
	Hospital Universitari Germans Trias i Pujol	CEIC Hospital General Universitario Gregorio Marañon
Switzerland	Universitaetsspital Zuerich	Kantonale Ethikkommission Zuerich
	Hopitaux Universitaires de Geneve	Comite Departemental dEthique de Medecine Interne et Medecine Communautaire
	Hopitaux Universitaires de Geneve	Kantonale Ethikkommission Zuerich
	Universitaetsspital Basel	Kantonale Ethikkommission Zuerich

	Universitaetsspital Basel	Ethikkommission Nordwest und Zentralschweiz
United States	University of Texas MD Anderson Cancer Center	WCG, Western Institutional Review Board Copernicus Group, IRB
	Duke University Medical Center, Morris Cancer Clinic	Duke University Health System IRB
	Sarah Cannon Research Institute at HealthONE	Advarra
	Roswell Park Cancer Institute	Roswell Park Cancer Institute IRB
	City of Hope National Medical Center	WCG, Western Institutional Review Board Copernicus Group, IRB
	Seattle Cancer Care Alliance	WCG, Western Institutional Review Board Copernicus Group, IRB
	Gibbs Cancer Center and Research Institute - Spartanburg	WCG, Western Institutional Review Board Copernicus Group, IRB
	University of Michigan	University of Michigan Medical School Institutional Review Board
	Memorial Sloan Kettering Cancer Center	Institutional Review Board/Privacy Board Memorial Sloan Kettering Cancer Center
	Fox Chase Cancer Center	Western Institutional Review Board
	Indiana University	Indiana University Institutional Review Board
	Dana Farber Cancer Institute	Dana-Farber Cancer Institute Institutional Review Board
	Huntsman Cancer Institute	University of Utah IRB
	Vanderbilt University Ingram Cancer Center	Vanderbilt University IRB
	Washington University	WCG, Western Institutional Review Board Copernicus Group, IRB
	University of California at SF	University of California at San Francisco, Committee of Human Research
	Massachusetts General Hospital	Dana-Farber Cancer Institute Institutional Review Board
	University of Texas Southwestern Medical Center	University of Texas Southwestern Medical Center IRB
	University of Pittsburgh Medical Center Cancer Pavillion	Advarra IRB
	University of California Los Angeles	UCLA Office of the Human Research Protection Program
	Winship Cancer Institute	Western Institutional Review Board
	Cleveland Clinic	Cleveland Clinic Institutional Review Board
	University of Pennsylvania	Western Institutional Review Board

	Laura and Isaac Perlmutter Cancer Center at New York University Langone	New York University School of Medicine IRB
	University of Florida Health	Western Institutional Review Board
	Moffitt Cancer Center	Advarra IRB
	University Hospitals Cleveland Medical Center	University Hospitals Cleveland Medical Center Institutional Review Board
	American Oncology Partners of Maryland, PA	Advarra IRB
	Rocky Mountain Cancer Centers	US Oncology Network IRB
	Texas Oncology - Baylor	US Oncology Network IRB
	Medical Oncology Hematology Consultants Helen F Graham Cancer Center	US Oncology Network IRB
	Virginia Cancer Specialists PC	US Oncology Network IRB
	AdventHealth Orlando Infusion Center	Advarra
	Texas Oncology - Austin Central	US Oncology Network IRB
	Henry Ford Health System	WCG, Western Institutional Review Board Copernicus Group, IRB
	Smilow Cancer Hospital at Yale New Haven	Advarra
	US Oncology Research Investigational Products Center	US Oncology Network IRB

Supplementary Table 1. Plasma gene emergent pathogenic alterations for patients treated with sotorasib or docetaxel in the combined dataset

Treatment	Alteration	N
Sotorasib	CNV MET gain	8
	CNV TP53 loss	6
	CNV EGFR gain	5
	CNV ERBB2 gain	1
	CNV FGFR1 gain	1
	CNV PTEN loss	1
	DEL B2M S16fs	1
	DEL KEAP1 F174fs	1
	DEL TP53 R280_R283delinsS	1
	INS EGFR A375fs	1
	INS KEAP1 A27fs	1
	INS KEAP1 F478fs	1
	SNV ERBB2 SPLICE	1
	SNV FGFR2 A16T	1
	SNV MET R1170Q	1
	SNV PIK3CA E542K	1
	SNV PIK3CA E545K	1
	SNV PIK3CA N345K	1
	SNV STK11 P179L	1
	SNV STK11 Q170*	1
	SNV STK11 SPLICE	1
	SNV TP53 F270V	1
	SNV TP53 G266E	1
	SNV TP53 G266R	1
	SNV TP53 R248Q	1
	SNV TP53 R273C	1
	SNV TP53 V157D	1
	SNV TP53 Y220C	1
Docetaxel	CNV EGFR gain	7
	CNV MET gain	5
	CNV PTEN loss	2
	CNV TP53 loss	2
	CNV FGFR1 gain	1
	DEL ERBB2 P1233fs	1
	DEL TP53 T125fs	1
	INS FGFR2 V463fs	1
	INS FGFR3 C482fs	1
	INS KEAP1 A27fs	1

SNV B2M E64*	1
SNV EGFR V592I	1
SNV KEAP1 Q217*	1
SNV MET W1274*	1
SNV PIK3CA E542K	1
SNV STK11 SPLICE	1
SNV TP53 P177L	1
SNV TP53 P27S	1
SNV TP53 V157F	1
SNV TP53 V216M	1

CNV, copy number variant; DEL, deletion; INS, insertion; SNV, single nucleotide variant.