

1 **Supplementary Material for Pembrolizumab as Second-Line Therapy for Advanced**  
2 **Hepatocellular Carcinoma: Longer-Term Follow-Up From the Phase 3 KEYNOTE-240**  
3 **Trial**

4 **Authors: Merle P. et al.**

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6 **Online Supplementary Table 1.** Treatment-related AEs occurring in  $\geq 5\%$  of patients in  
7 either the pembrolizumab or placebo arm

	<b>Pembrolizumab</b>		<b>Placebo</b>	
	<b>(n = 279)</b>		<b>(n = 134)</b>	
	<b>Any grade</b>	<b>Grade 3 or 4</b>	<b>Any grade</b>	<b>Grade 3 or 4</b>
Any	171 (61.3)	54 (19.4)	65 (48.5)	10 (7.5)
Pruritus	39 (14.0)	1 (0.4)	7 (5.2)	0
Fatigue	28 (10.0)	3 (1.1)	19 (14.2)	1 (0.7)
Rash	27 (9.7)	4 (1.4)	3 (2.2)	0
Increased aspartate aminotransferase	26 (9.3)	16 (5.7)	5 (3.7)	2 (1.5)
Increased alanine aminotransferase	23 (8.2)	11 (3.9)	4 (3.0)	2 (1.5)
Diarrhea	23 (8.2)	2 (0.7)	8 (6.0)	1 (0.7)
Decreased appetite	16 (5.7)	3 (1.1)	9 (6.7)	0
Nausea	15 (5.4)	0	8 (6.0)	0
Asthenia	9 (3.2)	0	9 (6.7)	0

Arthralgia	7 (2.5)	0	8 (6.0)	0
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**Online Supplementary Table 2.** List of Investigators and Independent Ethics Committee

	<b>Facility Description</b>	<b>Country</b>	<b>Protocol # - Site #</b>	<b>IEC Name and Address**</b>	<b>Date of Initial IRB Approval</b>	<b>Initial IRB approval number</b>
Marcelo O Silva, M.D. Hospital Universitario Austral Avenida Juan Domingo Peron 1500 Pilar Provincia de Buenos Aires, Buenos Aires, B1629ODT Argentina	Hospital or Medical Center	Argentina	3475-240-0001	Comite Institucional de Evaluacion de la Facultad de Ciencias Biomedicas Universidad Austral Avenida Juan Domingo Peron 1500 Pilar, Buenos Aires B1629AHJ Argentina	04-Jul-2017	CEI1067/16
Adrian Carlos Gadano Hospital Italiano Gascon 450 Ciudad de Buenos Aires, Buenos Aires, C1181ACH Argentina	Hospital or Medical Center	Argentina	3475-240-0003	Comite de Etica de Protocolos de Investigacion del Hosp. Italiano Tte. Gral. Juan Domingo Peron 4191 1st Floor J Buenos Aires, Buenos Aires C1181ACH Argentina	17-Nov-2016	2835
Martin Leandro Barrabino Hospital Privado Centro Medico Cordoba Av.Naciones Unidas 346 Cordoba, Cordoba, X5016KEH Argentina	Hospital or Medical Center	Argentina	3475-240-0004	Comite Institucional de Etica de Investigacion en Salud IRB/IEC Friuli 2786 Cordoba, Cordoba X5016KEH Argentina	30-Aug-2016	HP-529

Stuart Roberts, M.D. The Alfred Hospital 99 Commercial Road Gastroenterology Dept. Prahran Melbourne, Victoria, 3004 Australia	Treatment Center	Australia	3475-240-0022	Sydney South West Area Health Service Ethics Committee (RPAH Zone) Royal Prince Alfred Hospital Research Development Office, Level 3, Building 92 Camperdown, New South Wales 2050 Australia	21-JUL-2016	X16-0089 HREC/16/RPAH/1 07
Simone I Strasser Royal Prince Alfred Hospital Missenden Road Building 75 Level 9 West Level 9 AW Morrow Gastroenterology and Liver Centre Camperdown, New South Wales, 2050 Australia	Hospital or Medical Center	Australia	3475-240-0023	Sydney South West Area Health Service Ethics Committee (RPAH Zone) Royal Prince Alfred Hospital Research Development Office, Level 3, Building 92 Camperdown, New South Wales 2050 Australia	21-JUL-2016	X16-0089 HREC/16/RPAH/1 07

Primary Investigator/Facility Address*	Facility Description	Country	Protocol # - Site #	IEC Name and Address**	Date of Initial IRB Approval	Initial IRB approval number
William Sievert, M.D. Monash Health-Monash Medical Centre 246 Clayton Road Monash Health Translation Precinct. Level 3. MHTP Building. Clayton, Victoria, 3168 Australia	Hospital or Medical Center	Australia	3475-240-0024	Sydney South West Area Health Service Ethics Committee (RPAH Zone) Royal Prince Alfred Hospital Research Development Office, Level 3, Building 92 Camperdown, New South Wales 2050 Australia Monash Health Human Research Ethics Committee 246 Clayton Road Clayton, Victoria 3168 Australia	21-JUL-2016	X16-0089 HREC/16/R PAH/107
Weng Ng Liverpool Hospital Cnr Campbell and Goulburn Streets Cancer Therapy Centre Liverpool, New South Wales, 2170 Australia	Hospital or Medical Center	Australia	3475-240-0025	Sydney South West Area Health Service Ethics Committee (RPAH Zone) Royal Prince Alfred Hospital Research Development Office, Level 3, Building 92 Camperdown, New South Wales 2050 Australia	21-JUL-2016	X16-0089 HREC/16/R PAH/107

<p>Chris Verslype, M.D., Ph.D.  UZ Leuven - Campus  Gasthuisberg  Herestraat 49  Digestive Oncology  Leuven, Vlaams-Brabant, 3000  Belgium</p>	<p>Hospital or  Medical Center</p>	<p>Belgium</p>	<p>3475-240-0061</p>	<p>Universitaire Ziekenhuizen Leuven  Herestraat 49  Ethics Committee  Leuven, Vlaams-Brabant 3000  Belgium  Clin. Univ. Saint-Luc -Commission d'Ethique  Biomédicale  Avenue Hippocrate 55.14  Comite d Ethique hospitalo-facultaire. Tour  Harvey - niveau 0  Bruxelles, Bruxelles-Capitale, Region de  1200  Belgium  Clin. Univ. Saint-Luc -Commission d'Ethique  Biomédicale  Promenade de l Alma 51 bte B1.43.03  Comite d Ethique hospitalo-facultaire  Bruxelles, Bruxelles-Capitale, Region de  1200  Belgium</p>	<p>22-Dec-2016</p>	<p>2016/100CT  /441</p>
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<b>Primary Investigator/Facility Address*</b>	<b>Facility Description</b>	<b>Country</b>	<b>Protocol # - Site #</b>	<b>IEC Name and Address**</b>	<b>Date of Initial IRB Approval</b>	<b>Initial IRB approval number</b>
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<p>Ivan Borbath  Saint-Luc UCL  Av Hippocrate 10  Niv. 0: Route 190  Bruxelles, Bruxelles-Capitale,  Region de, 1200  Belgium</p>	<p>Hospital or  Medical Center</p>	<p>Belgium</p>	<p>3475-240-0062</p>	<p>Clin. Univ. Saint-Luc -Commission d'Ethique  Biomédicale  Avenue Hippocrate 55.14  Comite d Ethique hospitalo-facultaire. Tour  Harvey - niveau 0  Bruxelles, Bruxelles-Capitale, Region de  1200  Belgium  Clin. Univ. Saint-Luc -Commission d'Ethique  Biomédicale  Promenade de l Alma 51 bte B1.43.03  Comite d Ethique hospitalo-facultaire  Bruxelles, Bruxelles-Capitale, Region de  1200  Belgium  Clin. Univ. Saint-Luc -Commission d'Ethique  Biomédicale  Avenue Hippocrate 55.14  Comite d Ethique hospitalo-facultaire. Tour  Harvey - niveau 0  Bruxelles, Bruxelles-Capitale, Region de  1200  Belgium  Clin. Univ. Saint-Luc -Commission d'Ethique  Biomédicale  Promenade de l Alma 51 bte B1.43.03  Comite d Ethique hospitalo-facultaire</p>	<p>22-Dec-2016</p>	<p>2016/100CT/441</p>
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<p>Hans Van Vlierberghe, Prof., DR.            UZ Gent            De Pintelaan 185            Gent, Oost-Vlaanderen, 9000            Belgium</p>	<p>Hospital or            Medical Center</p>	<p>Belgium</p>	<p>3475-240-0063</p>	<p>Universitair Ziekenhuis Gent - Ethisch Comite            C. Heymanslaan 10            Ethisch Comite            Gent, Oost-Vlaanderen 9000            Belgium            Universitair Ziekenhuis Gent - Ethisch Comite            De Pintelaan 185            Gent, Oost-Vlaanderen 9000            Belgium            Clin. Univ. Saint-Luc -Commission d'Ethique Biomédicale            Avenue Hippocrate 55.14            Comite d Ethique hospitalo-facultaire. Tour Harvey - niveau 0            Bruxelles, Bruxelles-Capitale, Region de 1200            Belgium            Clin. Univ. Saint-Luc -Commission d'Ethique Biomédicale            Promenade de l Alma 51 bte B1.43.03            Comite d Ethique hospitalo-facultaire            Bruxelles, Bruxelles-Capitale, Region de 1200            Belgium</p>	<p>22-Dec-2016</p>	<p>2016/100CT/441</p>

Primary Investigator/Facility Address*	Facility Description	Country	Protocol # - Site #	IEC Name and Address**	Date of Initial IRB Approval	Initial IRB approval number
Jean-Luc Van Laethem, Prof., DR. Erasme Hospital 808 Route de Lennik.. Brussels, Bruxelles-Capitale, Region de, 1070 Belgium	Hospital or Medical Center	Belgium	3475-240-0064	Comite d'Ethique Hospitalo-Facultaire Erasme-ULB Route de Lennik 808 Comite d'Ethique Anderlecht, Vlaams-Brabant 1070 Belgium Clin. Univ. Saint-Luc -Commission d'Ethique Biomédicale Avenue Hippocrate 55.14 Comite d Ethique hospitalo-facultaire. Tour Harvey - niveau 0 Bruxelles, Bruxelles-Capitale, Region de 1200 Belgium Clin. Univ. Saint-Luc -Commission d'Ethique Biomédicale Promenade de l Alma 51 bte B1.43.03 Comite d Ethique hospitalo-facultaire Bruxelles, Bruxelles-Capitale, Region de 1200 Belgium	22-Dec-2016	2016/100CT/441
Juan Carlos Restrepo Gutierrez, M.D. Hospital Pablo Tobon Uribe Calle 78 B No. 69-240 Medellin, Antioquia, 050034 Colombia	Hospital or Medical Center	Colombia	3475-240-0102	Comite de Investigaciones y Etica en Investigaciones Hospital Pablo Tobon Uribe Calle 78 B n.69-240 Medellin, Antioquia 050034 Colombia	03-Jun-2016	Not available

<p>Andres Felipe Cardona  Centro de Investigacion Clinica  del Country  Calle 83 No 16 A 43  Bogota, Distrito Capital de  Bogota, 110221  Colombia</p>	<p>Non Hospital  Clin Rsrch Site</p>	<p>Colombia</p>	<p>3475-240-0105</p>	<p>Comite de Etica en Investigacion Clinica -  Clinica del Country  Cra 18 No. 82-72 Piso 2  Bogota, Distrito Capital de Bogota 110221  Colombia  Comite de Etica de Riesgo de Fractura S.A.  Carrera 20 B No.74-46  Bogota, Distrito Capital de Bogota 111211  Colombia</p>	<p>15-Jun-2016</p>	<p>Not available</p>
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Kirsten Vistisen Herlev og Gentofte Hospital. Borgmester Ib Juuls Vej 9 5 etage.Onkologisk afdeling. Klinisk Forskningsenhed Herlev, Hovedstaden, 2730 Denmark	Hospital or Medical Center	Denmark	3475-240-0121	De Videnskabsetiske Komiteer For Region Hovedstaden Kongens Vaenge 2 Regionsgaarden Hilleroed, Denmark 3400 Denmark	06-Jul-2016	H-16024007
Britta weber Aarhus University Hospital Palle Juul-Jensens Blvd 99 Indgang C. Plan 1. Krydspunkt C108. KFE. Kraeftafdelingen Aarhus N, Midtjylland, 8200 Denmark	Hospital or Medical Center	Denmark	3475-240-0122	De Videnskabsetiske Komiteer For Region Hovedstaden Kongens Vaenge 2 Regionsgaarden Hilleroed, Denmark 3400 Denmark	06-Jul-2016	H-16024007
Philippe MERLE,M.D. Hopital de la Croix Rousse 103 Grande Rue de la Croix- Rousse Serv Hepato-Gastro-Enterologie. Bat R. Bat Medico-Chirurgical Lyon, Rhone, 69317 France	Hospital or Medical Center	France	3475-240-0141	CPP 44 rue Pointe Cadet CHU de Saint Etienne Saint-Etienne 44055 France	19-MAY-2016	2016-17-PP

Jean-Marie Peron,M.D., Ph.D. CHU Rangueil 1 avenue Jean Poulhes. TSA 50032 Oncol. Med. Digestive et Gynecologique - Batiment H2 - RDC Toulouse, Haute-Garonne, 31059 France	Hospital or Medical Center	France	3475-240-0142	CPP 44 rue Pointe Cadet CHU de Saint Etienne Saint-Etienne 44055 France	19-MAY-2016	2016-17-PP
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Rodolphe Anty Hopital de l Archet II C.H.U de Nice 151 route Saint Antoine de Ginestiere Pole de Reference Hepato Gastro- enterologie et Oncologie Digestive niveau 5A Nice, Alpes-Maritimes, 06202 France	Hospital or Medical Center	France	3475-240-0143	CPP 44 rue Pointe Cadet CHU de Saint Etienne Saint-Etienne 44055 France	19-MAY-2016	2016-17-PP
Violaine Ozenne/Marie Lequoy CHU Hopital Saint Antoine 184 rue du Faubourg Saint Antoine Hepato Gastro enterologie Paris, Paris, 75012 France	Hospital or Medical Center	France	3475-240-0144	CPP 44 rue Pointe Cadet CHU de Saint Etienne Saint-Etienne 44055 France	19-MAY-2016	2016-17-PP
Thomas Decaens C.H.U de Grenoble - Hopital Albert Michallon Boulevard de la chantourne Pole Digestif, Service Hepato Gastroenterologie La Tronche, Isere, 38700 France	Hospital or Medical Center	France	3475-240-0145	CPP 44 rue Pointe Cadet CHU de Saint Etienne Saint-Etienne 44055 France	19-MAY-2016	2016-17-PP

Mohamed Bouattour Hopital Beaujon 100 bd du General Leclerc Service d Oncologie Medicale Clichy, Hauts-de-Seine, 92110 France	Hospital or Medical Center	France	3475-240-0146	CPP 44 rue Pointe Cadet CHU de Saint Etienne Saint-Etienne 44055 France	19-MAY-2016	2016-17-PP
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Valerie Boige Institut Gustave Roussy 114 rue Edouard Vaillant Oncologie Medicale Villejuif, Val-de-Marne, 94805 France	Hospital or Medical Center	France	3475-240-0147	CPP 44 rue Pointe Cadet CHU de Saint Etienne Saint-Etienne 44055 France	19-MAY-2016	2016-17-PP
Jean-Luc Raoul/Marine Gilabert Institut Paoli Calmettes. 232 Boulevard de Sainte- Marguerite Oncologie Medicale Marseille, Bouches-du-Rhône, 13009 France	Hospital or Medical Center	France	3475-240-0148	CPP 44 rue Pointe Cadet CHU de Saint Etienne Saint-Etienne 44055 France	19-MAY-2016	2016-17-PP
Julien Edeline Centre Eugene Marquis Avenue Bataille Flandres- Dunkerque Oncologie Medicale Rennes, Ille-et-Vilaine, 35042 France	Hospital or Medical Center	France	3475-240-0149	CPP 44 rue Pointe Cadet CHU de Saint Etienne Saint-Etienne 44055 France	19-MAY-2016	2016-17-PP



<p>Peter R. Galle, Prof., DR., Med.          Universitaetsmedizin der          Johannes Gutenberg-          Universitaet Mainz          Langenbeckstrasse nr 1          I Medizinische Klinik und          Poliklinik          Mainz, Rheinland-Pfalz, 55131          Germany</p>	<p>Hospital or          Medical Center</p>	<p>Germany</p>	<p>3475-240-0161</p>	<p>Ethik-Kommission der Medizinischen          Hochschule Hannover          Carl-Neuberg-Str. 1          Hannover, Niedersachsen 30625          Germany</p>	<p>14-JUN-2016</p>	<p>7142M</p>
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Primary Investigator/Facility Address*	Facility Description	Country	Protocol # - Site #	IEC Name and Address**	Date of Initial IRB Approval	Initial IRB approval number
Christoph Springfeld Medizinische Universitaetsklinik Heidelberg Im Neuenheimer Feld 410 Liver Cancer Center Heidelberg. Innere Medizin IV Heidelberg, Baden-Wuerttemberg, 69120 Germany	Hospital or Medical Center	Germany	3475-240-0163	Ethik-Kommission der Medizinischen Hochschule Hannover Carl-Neuberg-Str. 1 Hannover, Niedersachsen 30625 Germany	14-JUN-2016	7142M
Arndt Vogel Medizinische Hochschule Hannover Carl Neuberg Strasse 1 K2. H0. Raum 1420. Klinik fuer Gastroenterologie Hepatologie und Endokrinologie Hannover, Niedersachsen, 30625 Germany	Hospital or Medical Center	Germany	3475-240-0164	Ethik-Kommission der Medizinischen Hochschule Hannover Carl-Neuberg-Str. 1 Hannover, Niedersachsen 30625 Germany	14-JUN-2016	7142M

Gunnar Folprecht Medizinische Fakultät Carl Gustav Carus der TU Dresden Fetscherstrasse. 74 Medizinische Klinik und Poliklinik I Dresden, Sachsen, 01307 Germany	Hospital or Medical Center	Germany	3475-240-0165	Ethik-Kommission der Medizinischen Hochschule Hannover Carl-Neuberg-Str. 1 Hannover, Niedersachsen 30625 Germany	14-JUN-2016	7142M
Michael Bitzer Innere Medizin I, Universitätsklinikum Tuebingen Otfried Mueller Str. 10 Tuebingen, Baden-Wuerttemberg, 72076 Germany	Hospital or Medical Center	Germany	3475-240-0166	Ethik-Kommission der Medizinischen Hochschule Hannover Carl-Neuberg-Str. 1 Hannover, Niedersachsen 30625 Germany	14-JUN-2016	7142M

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Lam Stephen Chan Prince of Wales Hospital 30-32, Ngan Shing Street The Chinese University. Dept Clinical Oncology Shatin, N/A, NA Hong Kong	Treatment Center	Hong Kong	3475-240-0181	Joint CUHK-NTEC CREC 8/F Lui Che Woo Clinical Sciences Building Prince of Wales Hospital Hong Kong, N/A na Hong Kong	16-May-2016	CRE-2016.262
Yin Ping Tai Queen Elizabeth Hospital. 30 Gascoigne Road 11F. Block R. Dept. of Clinical Oncology Kowloon, N/A, na Hong Kong	Hospital or Medical Center	Hong Kong	3475-240-0182	Kowloon Central Cluster REC/ Kowloon East Cluster REC Queen Elizabeth Hospital Room 808 Block S Hong Kong, N/A na Hong Kong	06-Jun-2016	KC/KE-16-0071/FR-2
Thomas Chung-cheung Yau Queen Mary Hospital 102 Pokfulam Rd Department of Medicine Hong Kong, N/A, NULL Hong Kong	Hospital or Medical Center	Hong Kong	3475-240-0183	HKU/HA HK West Cluster Institutional Review Board (HKU/HA HKW IRB) Room 901 Administration Block Queen Mary Hospital 102 Pokfulam Road Hong Kong, N/A Hong Kong	23-Jun-2016	UW 16-316

Lajos Geczi Országos Onkológiai Intézet Rath György u 7-9 B Belgyógyászat-Onkológiai és Klinikai Farmakológiai Osztály Budapest, Budapest, 1122 Hungary	Hospital or Medical Center	Hungary	3475-240-0203	Egészségügyi Tudományos Tanács Szechenyi István tér 7-8 Budapest, Budapest 1051 Hungary	12-MAY-2016	OGYÉI/19528- 1/2016
Zsolt Horvath,DR./Peter Arkosy Debreceni Egyetem Klinikai Központ Nagyterdei körút 98 Onkológiai Tanszék Debrecen, Debrecen, 4032 Hungary	Hospital or Medical Center	Hungary	3475-240-0204	Egészségügyi Tudományos Tanács Szechenyi István tér 7-8 Budapest, Budapest 1051 Hungary	12-MAY-2016	OGYÉI/19528- 1/2016

Primary Investigator/Facility Address*	Facility Description	Country	Protocol # - Site #	IEC Name and Address**	Date of Initial IRB Approval	Initial IRB approval number
Zsuzsanna Kahan, M.D., Ph.D. Szegedi Tudományegyetem - Szent-Györgyi Albert Klinikai Központ Koranyi fasor 12 Szeged, Szeged, 6720 Hungary	Hospital or Medical Center	Hungary	3475-240-0205	Egészségügyi Tudományos Tanács Szechenyi István tér 7-8 Budapest, Budapest 1051 Hungary	12-MAY-2016	OGYÉI/19528- 1/2016
Karoly Mahr Zala Megyei Korház Pozvai Telephely Kulso Korház ut 1 Zalaegerszeg, Zalaegerszeg, 8900 Hungary	Hospital or Medical Center	Hungary	3475-240-0206	Egészségügyi Tudományos Tanács Szechenyi István tér 7-8 Budapest, Budapest 1051 Hungary	12-MAY-2016	OGYÉI/19528- 1/2016
Laszlo Mangel, Prof. Pécsi Tudományegyetem AOK Edesanyak utja 17 Pécs, Baranya, 7624 Hungary	Hospital or Medical Center	Hungary	3475-240-0207	Egészségügyi Tudományos Tanács Szechenyi István tér 7-8 Budapest, Budapest 1051 Hungary	12-MAY-2016	OGYÉI/19528- 1/2016
Julia Lohinszky Szemmelweis Egyetem.. Szentkirályi u. 46. II. Belgyógyászati Klinika Budapest, Budapest, 1088 Hungary	Hospital or Medical Center	Hungary	3475-240-0208	Egészségügyi Tudományos Tanács Szechenyi István tér 7-8 Budapest, Budapest 1051 Hungary	12-MAY-2016	OGYÉI/19528- 1/2016

Ray McDermott St Vincents University Hospital Elm Park Dublin, Dublin, D04 YN63 Ireland	Hospital or Medical Center	Ireland	3475-240-0221	St Vincent's Hospital Elm Park Ethics and Medical Research Committee Dublin, Dublin Dublin 4 Ireland	25-MAY-2016	Not available
Ravit Geva,M.D. Sourasky Medical Center 6 Weizmann Street Tel Aviv, Tell Abib, 6423906 Israel	Hospital or Medical Center	Israel	3475-240-0241	Sourasky Medical Center Weizman 6 Helsinki Committee. Tel Aviv, Tell Abib 6423906 Israel	21-Mar-2016	0075-16-TLV

Primary Investigator/Facility Address*	Facility Description	Country	Protocol # - Site #	IEC Name and Address**	Date of Initial IRB Approval	Initial IRB approval number
Salomon Stemmer, Prof. Rabin Medical Center [Petah-Tikva, Israel] 39 Jabotinski Road. Davidoff Oncology Unit Petah-Tiqva, HaMerkaz, 4941492 Israel	Hospital or Medical Center	Israel	3475-240-0242	Rabin Medical Center [Petah-Tikva, Israel] 39 Jabutinsky st. IRB Petah-Tikva, HaMerkaz 4941492 Israel	28-Mar-2016	0016-16-RMC
Bruno Daniele/Domenico Germano A.O. G. Rummo Via dell'Angelo 1 Pad Sta Teresa della Croce 1st Floor U.O.C. Oncologia Medica Benevento, Benevento, 82100 Italy	Hospital or Medical Center	Italy	3475-240-0262	Comitato Etico Campania Nord Contrada Amoretta Biomedica Azienda Ospedaliera S.G. Moscati Citta Ospedaliera pal. Uffici Avellino, Avellino 83100 Italy	26-Oct-2016	Not available
Silvia Fanello Arcispedale Santa Maria Nuova Viale Risorgimento 80 Reggio Emilia, Reggio Emilia, 42123 Italy	Hospital or Medical Center	Italy	3475-240-0263	Comitato Etico Provinciale Azienda Ospedaliera Arcispedale Santa Maria Nuova/I.R.C.C.S. Viale Umberto I 50 Dip. Infrastruttura Ricerca-Statistica Edif. Spallanzani. Comitato Etico Provinciale Reggio Emilia, Reggio Emilia 42123 Italy	17-Nov-2016	Not available



Lorenza Rimassa,DR. Istituto Clinico Humanitas Research Hospital Via Manzoni nr 56 Research Hospital Rozzano, Milano, 20089 Italy	Hospital or Medical Center	Italy	3475-240-0264	Comitato Etico Indipendente Istituto Clinico Humanitas Via Manzoni 56 Comitato Etico Indipendente Rozzano, Milano 20089 Italy	11-Apr-2017	Not available
Norihiro Kokudo/Kiyoshi Hasegawa The University of Tokyo Hospital 7-3-1, Hongo, Bunkyo-ku Tokyo, Tokyo, 113-8655 Japan	Hospital or Medical Center	Japan	3475-240-0281	the Institutional Review Board, the University of Tokyo Hospital 7-3-1, Hongo, Bunkyo-ku Tokyo, Tokyo 113-8655 Japan	26-Jul-2016	2016015-11X

Primary Investigator/Facility Address*	Facility Description	Country	Protocol # - Site #	IEC Name and Address**	Date of Initial IRB Approval	Initial IRB approval number
Norio Isoda/Naoki Morimoto Jichi Medical University Hospital 3311-1, Yakushiji Shimotsuke, Tochigi, 329-0498 Japan	Hospital or Medical Center	Japan	3475-240-0282	Jichi Medical University Hospital Institutional Review Board 3311-1, Yakushiji Shimotsuke, Tochigi 329-0498 Japan	30-Jun-2016	160602
Manabu Morimoto Kanagawa Cancer Center 2-3-2, Nakao, Asahi-ku Yokohama, Kanagawa, 241-8515 Japan	Hospital or Medical Center	Japan	3475-240-0283	Kanagawa Cancer Center Institutional Review Board 2-3-2, Nakao, Asahi-ku Yokohama, Kanagawa 241-8515 Japan	14-Jul-2016	174
Sadahisa Ogasawara Chiba University Hospital 1-8-1, Inohana, Chuo-ku Chiba, Chiba, 260-8677 Japan	Hospital or Medical Center	Japan	3475-240-0284	Chiba University Hospital Institutional Review Board 1-8-1, Inohana, Chuo-ku Chiba, Chiba 260-8677 Japan	01-Jul-2016	028012
Ryoko Kuromatsu Kurume University Hospital 67, Asahi-machi Kurume, Fukuoka, 830-0011 Japan	Hospital or Medical Center	Japan	3475-240-0285	Kurume University Institutional Review Board 67, Asahi-machi Kurume, Fukuoka 830-0011 Japan	18-May-2016	216002

Hiroshi Aikata Hiroshima University Hospital 1-2-3, Kasumi, Minami-ku Hiroshima, Hiroshima, 734-8551 Japan	Hospital or Medical Center	Japan	3475-240-0287	Hiroshima University hospital IRB 1-2-3, Kasumi, Minami-ku Hiroshima, Hiroshima 734-8551 Japan	04-Jul-2016	00828
Kazuyoshi Ohkawa Osaka International Cancer Institute 3-1-69, Otemae, Chuo-ku Osaka, Osaka, 541-8567 Japan	Hospital or Medical Center	Japan	3475-240-0288	Osaka International Cancer Institute Institutional Review Board 1-3-3, Nakamichi, Higashinari-ku Osaka, Osaka 537-8511 Japan Osaka International Cancer Institute Institutional Review Board 3-1-69, Otemae, Chuo-ku Osaka, Osaka 541-8567 Japan	16-Jun-2016	Not available

<b>Primary Investigator/Facility Address*</b>	<b>Facility Description</b>	<b>Country</b>	<b>Protocol # - Site #</b>	<b>IEC Name and Address**</b>	<b>Date of Initial IRB Approval</b>	<b>Initial IRB approval number</b>
Masatoshi Ishigami Nagoya University Hospital 65, Tsurumai-cho, Showa-ku Nagoya, Aichi, 466-8560 Japan	Hospital or Medical Center	Japan	3475-240-0289	Nagoya University Hospital Institutional Review Board 65, Tsurumai-cho, Showa-ku Nagoya, Aichi 466-8560 Japan	25-Jul-2016	280027
Masatoshi Kudo Kindai University Hospital 377-2, Ohnohigashi Osakasayama, Osaka, 589-8511 Japan	Hospital or Medical Center	Japan	3475-240-0290	Kindai University Hospital Institutional Review Board 377-2, Ohnohigashi Osakasayama, Osaka 589-8511 Japan	28-Jun-2016	1766
Kazushi Numata Yokohama City University Medical Center 4-57, Urafunecho, Minami-ku Yokohama, Kanagawa, 232-0024 Japan	Hospital or Medical Center	Japan	3475-240-0291	Yokohama City University Medical Center Institutional Review Board 4-57, Urafunecho, Minami-ku Yokohama, Kanagawa 232-0024 Japan	13-Jun-2016	116-137
Tatsuya Yamashita Kanazawa University Hospital 13-1, Takara-machi Kanazawa, Ishikawa, 920-8641 Japan	Hospital or Medical Center	Japan	3475-240-0292	Kanazawa University Hospital Institutional Review Board 13-1, Takara-machi Kanazawa, Ishikawa 920-8641 Japan	09-Jun-2016	1794

Sawako Uchida Osaka City University Hospital 1-5-7, Asahi-machi, Abeno-ku Osaka, Osaka, 545-8586 Japan	Hospital or Medical Center	Japan	3475-240-0293	Osaka City University Hospital Institutional Review Board 1-5-7, Asahi-machi, Abeno-ku Osaka, Osaka 545-8586 Japan	23-Jun-2016	Not available
Takako Nakajima St. Marianna University School of Medicine Hospital 2-16-1, Sugao, Miyamae-ku Kawasaki, Kanagawa, 216-8511 Japan	Hospital or Medical Center	Japan	3475-240-0294	St. Marianna University Group Institutional Review Board 2-16-1, Sugao, Miyamae-ku Kawasaki, Kanagawa 216-8511 Japan	16-Jun-2016	A2198大学

<b>Primary Investigator/Facility Address*</b>	<b>Facility Description</b>	<b>Country</b>	<b>Protocol # - Site #</b>	<b>IEC Name and Address**</b>	<b>Date of Initial IRB Approval</b>	<b>Initial IRB approval number</b>
Yoshiyasu Karino Hokkaido P.W.F.A.C Sapporo- Kosei General Hospital 8-5, Kita3jyo-Higashi, Chuo-ku Sapporo, Hokkaido, 060-0033 Japan	Hospital or Medical Center	Japan	3475-240-0295	Sapporo-Kosei General Hospital Institutional Review Board 8-5, Kita3jyo-Higashi, Chuo-ku Sapporo, Hokkaido 060-0033 Japan	16-Jun-2016	16-15-D
Junji Furuse Kyorin University Hospital 6-20-2, Shinkawa Mitaka, Tokyo, 181-8611 Japan	Hospital or Medical Center	Japan	3475-240-0296	Kyorin University Hospital Institutional Review Board 6-20-2, Shinkawa Mitaka, Tokyo 181-8611 Japan	13-Jul-2016	1612
Toshifumi Tada Ogaki Municipal Hospital 4-86, Minaminokawa-cho Ogaki, Gifu, 503-8502 Japan	Hospital or Medical Center	Japan	3475-240-0297	Ogaki Municipal Hospital Institutional Review Board 4-86, Minaminokawa-cho Ogaki, Gifu 503-8502 Japan	28-Jun-2016	Not available
Yoshito Itoh University Hospital, Kyoto Prefectural University of Medicine 465, Kajii-cho, Kawaramachi- dori, Hirokojiagaru, Kamigyo-ku Kyoto, Kyoto, 602-8566 Japan	Hospital or Medical Center	Japan	3475-240-0298	University Hospital, Kyoto Prefectural University of Medicine IRB 465, Kajii-cho, Kawaramachi-dori, Hirokojiagaru, Kamigyo-ku Kyoto, Kyoto 602-8566 Japan	13-Jul-2016	2016-016

Masayuki Kurosaki Musashino Red Cross Hospital 1-26-1, Kyonan-cho Musashino, Tokyo, 180-8610 Japan	Hospital or Medical Center	Japan	3475-240-0300	Musashino Red Cross Hospital Institutional Review Board 1-26-1, Kyonan-cho Musashino, Tokyo 180-8610 Japan	10-Aug-2016	武病治第412 号-3
Maria del Consuelo Diaz Romero Instituto Nacional de Cancerologia. Av. San Fernando No. 22 Col. seccion XVI Delegacion Tlalpan Mexico City, Mexico, 14080 Mexico	Hospital or Medical Center	Mexico	3475-240-0324	Comite de Etica en Investigacion del Instituto Nacional de Cancerologia Av. San Fernando No. 22 Col Seccion XVI Mexico City, Distrito Federal 14080 Mexico	21-Jul-2016	CEI/1067/16

Primary Investigator/Facility Address*	Facility Description	Country	Protocol # - Site #	IEC Name and Address**	Date of Initial IRB Approval	Initial IRB approval number
Carlos Alberto Hernandez Hernandez Oaxaca Site Management Organization SC Humboldt 302 Centro Oaxaca Oaxaca, Oaxaca, 68000 Mexico	Non Hospital Clin Rsrch Site	Mexico	3475-240-0326	Oaxaca Site Management Organization SC Humboldt 302 Centro Oaxaca Oaxaca, Oaxaca 68000 Mexico	13-May-2016	141/2016
Olav Dajani Oslo Universitetssykehus HF. Ullevål Kirkeveien 166 Kreftsentret cytostatikaopptrekk 1. etg. Oslo, Oslo, 0450 Norway	Hospital or Medical Center	Norway	3475-240-0380	REK soer-oest D Gullhaugveien 1-3 Blindern Oslo, Oslo 0484 Norway	20-May-2016	2016/653
Judy Lao-Tan,M.D. Cebu Doctors University Hospital Gov. M. Roa Street Corner Don Jose Avila Street Room 3 2nd Floor Admi Offices Building Cebu City, Cebu, 6000 Philippines	Hospital or Medical Center	Philippines	3475-240-0381	Cebu Doctors' University Hospital Inst'l Ethics Review Committee Gov. M. Roa Street Corner Don Jose Avila Street Cebu, Cebu 6000 Philippines	07-Nov-2016	2016-005



Janus P. Ong, M.D. The Medical City 2F Nursing Tower, Ortigas Avenue Center for Liver Disease Management & Transplantation Pasig City, National Capital Region, 1605 Philippines	Hospital or Medical Center	Philippines	3475-240-0384	The Medical City Institutional Review Board Podium Bldg. Lower Ground 49 Ortigas Avenue Pasig City, National Capital Region 1605 Philippines	28-Jul-2016	Not available
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Primary Investigator/Facility Address*	Facility Description	Country	Protocol # - Site #	IEC Name and Address**	Date of Initial IRB Approval	Initial IRB approval number
Renata Zaucha, Prof./Ewa Szutowicz-Zielinska Uniwersyteckie Centrum Kliniczne Smoluchowskiego 17 St.. Klinika Onkologii i Radioterapii Centrum Medycyny Nieinwazyjnej Gdansk, Pomorskie, 80-214 Poland	Treatment Center	Poland	3475-240-0403	Niezalezna Komisja Bioetyczna ds. Badan Naukowych AM Gdansk ul. M. Sklodowskiej-Curie 3a Gdansk, Pomorskie 80-210 Poland Niezalezna Komisja Bioetczna ds. Badan Naukowych przy GUM ul. Sklodowsk-Curie 3a Gdansk, Pomorskie 80-210 Poland	22-Jun-2016	NKBBN/186/2016
Leszek Kraj MTZ Clinical Research Sp. z o. o. ul. Pawinskiego 5 Warsaw, Mazowieckie, 02-106 Poland	Non Hospital Clin Rsrch Site	Poland	3475-240-0406	Niezalezna Komisja Bioetyczna ds. Badan Naukowych AM Gdansk ul. M. Sklodowskiej-Curie 3a Gdansk, Pomorskie 80-210 Poland Niezalezna Komisja Bioetczna ds. Badan Naukowych przy GUM ul. Sklodowsk-Curie 3a Gdansk, Pomorskie 80-210 Poland	22-JUN-2016	NKBBN/186/2016

<p>Hector A. Velez-Cortes,M.D.  Ad-Vance Medical Research LLC  1217 Hostos Avenue  Suite 101  Ponce, PR, 00717  USA</p>	<p>Non Hospital  Clin Rsrch Site</p>	<p>Puerto Rico</p>	<p>3475-240-0441</p>	<p>Copernicus Group Independent Review  Board  5000 Centregreen Way  Suite 200  Cary, NC 27513  USA  Copernicus Group Independent Review  Board  One Triangle Drive, Suite 100  Durham, NC 27709  USA  WIRB-Copernicus Group WCG  One Triangle Park  Ste. 100  Research Triangle Park, NC 27709  USA</p>	<p>24-Mar-2016</p>	<p>MER1-16-040</p>
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Primary Investigator/Facility Address*	Facility Description	Country	Protocol # - Site #	IEC Name and Address**	Date of Initial IRB Approval	Initial IRB approval number
Edgardo J Rodriguez-Monge San Juan Bautista School of Medicine Clinical Research Unit Road 172 Turabo Gardens Caguas, PR, 00725 USA	Treatment Center	Puerto Rico	3475-240-0442	Western Institutional Review Board 1019 39th Avenue SE Suite 120 Puyallup, WA 98374 USA WIRB-Copernicus Group WCG One Triangle Park Ste. 100 Research Triangle Park, NC 27709 USA	25-Oct-2016	Study Num: 1169269 WIRB PRO NUM: 20160210 ONLINE TRACKING: 11-358778
Valeriy Vladimirovich Breder Russian Oncological Research Center n.a. N.N.Blokhin of MoH 24 Kashirskoye shosse Moscow, Moskva, 115478 Russia	Hospital or Medical Center	Russia	3475-240-0481	Russian Oncological Research Center n.a. N.N.Blokhin of MoH 24 Kashirskoe shosse. Moscow, Moskva 115478 Russia	14-Jun-2016	Not available
Mikhail Yurievich Byakhov/Tatyana Barannikova SBHI Moscow Clinical Scientific Center 86 Entuziastov shosse Moscow, Moskva, 111123 Russia	Hospital or Medical Center	Russia	3475-240-0482	SBHI Moscow Clinical Scientific Center 86 Entuziastov shosse Moscow, Moskva 111123 Russia	04-Jul-2016	Not available

Vladimir Mikhaylovich Moiseyenko SPb CRC of specialized types of medical care (Oncology) 68A Leningradskaya st. settlement Pesochny Saint-Petersburg, Sankt-Peterburg, 197758 Russia	Hospital or Medical Center	Russia	3475-240-0483	SPb CRC of specialized types of medical care (Oncology) 68A Leningradskaya st. settlement Pesochny Saint-Petersburg, Sankt-Peterburg 197758 Russia	17-Jun-2016	Not available
Georgy Moiseevich Manikhas SPb SBHI City Clinical Oncological Dispensary 56 prospekt Veteranov Saint Petersburg, Sankt-Peterburg, 198255 Russia	Hospital or Medical Center	Russia	3475-240-0485	SPb SBHI City Clinical Oncological Dispensary 56 prospekt Veteranov Saint Petersburg, Sankt-Peterburg 198255 Russia	05-Jul-2016	Not available

<b>Primary Investigator/Facility Address*</b>	<b>Facility Description</b>	<b>Country</b>	<b>Protocol # - Site #</b>	<b>IEC Name and Address**</b>	<b>Date of Initial IRB Approval</b>	<b>Initial IRB approval number</b>
Vladimir Anatolyevich Kostorov Leningrad Regional Oncology Center 2 Zaozernaya Street Saint-Petersburg, Sankt-Peterburg, 188663 Russia	Hospital or Medical Center	Russia	3475-240-0490	Leningrad Regional Oncology Center 37-39 Liteiny prospekt Saint-Petersburg, Sankt-Peterburg 191014 Russia	17-Nov-2016	Not available
Foat Shaykhutdinovitch Akhmetzyanov, M.D. Republican Clinical Oncology Dispensary of Tatarstan MoH 31 Sibirskiy trakt Kazan, Tatarstan, Respublika, 420029 Russia	Hospital or Medical Center	Russia	3475-240-0491	LEC of Tatarstan Republican Clinical Oncology Dispensary 29 Sibirskiy trakt Kazan, Tatarstan, Respublika 420029 Russia	09-Dec-2016	Not available
Ho Yeong Lim Samsung Medical Center 81 Irwon Ro Gangnam Gu Seoul, Seoul, 06351 South Korea	Hospital or Medical Center	South Korea	3475-240-0501	Samsung Medical Center IRB/IEC 81 Irwon Ro Gangnam Gu Seoul, Seoul 06351 South Korea	25-May-2016	SMC 2016-05-008

<p>Baek-Yeol Ryoo  Asan Medical Center  88 Olympic-ro 43-gil Songpa-gu  B1 Study coordinator room  located in Life science research  insti  Seoul, Seoul, 05505  South Korea</p>	<p>Hospital or  Medical Center</p>	<p>South Korea</p>	<p>3475-240-0502</p>	<p>Institutional Review Board Asan Medical  Center  88 Olympicro 43 gil SongpaGu  Seoul, Seoul 05505  South Korea</p>	<p>20-Jun-2016</p>	<p>2016-0679</p>
<p>Myung Ah Lee  The Catholic University of Korea.  Seoul St. Mary s Hospital  222 Banpo daero Seocho gu  Seoul, Seoul, 06591  South Korea</p>	<p>Hospital or  Medical Center</p>	<p>South Korea</p>	<p>3475-240-0503</p>	<p>The Catholic University of Korea IRB  222 Banpo daero Seocho gu  Seoul, Seoul 06591  South Korea</p>	<p>10-Jun-2016</p>	<p>KC16MDGT0  349</p>

Primary Investigator/Facility Address*	Facility Description	Country	Protocol # - Site #	IEC Name and Address**	Date of Initial IRB Approval	Initial IRB approval number
Yeul Hong Kim Korea University Anam Hospital 73, Incheon-Ro, Seongbuk-Gu Seoul, Seoul, 02841 South Korea	Hospital or Medical Center	South Korea	3475-240-0504	Korea University Anam Hospital IRB 73 Incheon ro, Seongbuk gu 5F Clinical Trial Center Seoul, Seoul 02841 South Korea	02-May-2016	ED16054
Kyung-Hun Lee Seoul National University Hospital 101Daehak-ro Jongno-gu. Seoul, Seoul, 03080 South Korea	Hospital or Medical Center	South Korea	3475-240-0505	Institutional Review Board Seoul National University Hospital 101 Daehak-ro. Jongno-gu. Seoul, Seoul 03080 South Korea	31-Oct-2016	H-1609-121- 795
Hye Jin Choi Severance Hospital Yonsei University Health System	Hospital or Medical Center	South Korea	3475-240-0506	Yonsei University Health System, Severance Hospital IRB 50-1 Yonsei-ro. Seodaemun gu Study coordinator room 15A Ward 1F Chejung building Seoul, Seoul 03722 South Korea	18-Nov-2016	4-2016-0875



<p>Ann-Lii Cheng National Taiwan University Hospital No. 7 Chung-Shan South Road Department of Oncology Taipei, Taipei, 10002 Taiwan</p>	<p>Hospital or Medical Center</p>	<p>Taiwan</p>	<p>3475-240-0601</p>	<p>National Taiwan University Hospital. Ethics Review Committee B No.7, Chung Shan S. Rd., Zhongzheng Dist. Taipei, Taipei 10002 Taiwan National Taiwan University Hospital - Research Ethics Committee No. 7 Chung-Shan South Rd. Taipei, Taipei 100 Taiwan</p>	<p>28-Apr-2016</p>	<p>201603051M SD</p>
<p>Yee Chao Taipei Veterans General Hospital No.201 Shih-Pai Rd. Sec. 2 B1 Cancer Center Chung-Cheng Building Taipei, Taipei, 112 Taiwan</p>	<p>Hospital or Medical Center</p>	<p>Taiwan</p>	<p>3475-240-0602</p>	<p>Taipei Veterans General Hospital Ethics Review Committee No. 201, Sec. 2, Shihpai Rd. Taipei, Taipei 112 Taiwan Taipei Veterans General Hospital Institutional Review Board 2 No. 201 Sec. 2 Shih-Pai Road Taipei, Taipei 112 Taiwan</p>	<p>29-Jun-2016</p>	<p>2016-06- 002CU</p>

Primary Investigator/Facility Address*	Facility Description	Country	Protocol # - Site #	IEC Name and Address**	Date of Initial IRB Approval	Initial IRB approval number
Shi-Ming Lin Chang Gung Medical Foundation. Linkou No.5 Fuxing St Guishan Dist. 6J Dept. of Hepatology Taoyuan, Taoyuan, 333 Taiwan	Hospital or Medical Center	Taiwan	3475-240-0603	CHANG GUNG MEDICAL FOUNDATION INSTITUTIONAL REVIEW BOARD No. 123, Dung-Hou Rd, Jiou-Lu Tsuen, Kwei-Shan Hsiang, Taoyuan, Taoyuan 333 Taiwan	20-Jun-2016	201600624A 4
Kun Ming Rau/Yen-Hao Chen Chang Gung Med Foundation. Kaohsiung Branch N 123 Ta-Pei Road Niao-Song Dist. Dpt of Oncology. Blood smear room 7F Medical Bd. Kaohsiung, Kaohsiung, 83301 Taiwan	Hospital or Medical Center	Taiwan	3475-240-0604	CHANG GUNG MEDICAL FOUNDATION INSTITUTIONAL REVIEW BOARD No. 123, Dung-Hou Rd, Jiou-Lu Tsuen, Kwei-Shan Hsiang, Taoyuan, Taoyuan 333 Taiwan	20-Jun-2016	201600624A 4
Chang-Fang Chiu China Medical University Hospital No.2 Yuh-Der Road Liver Unit.2nd FL.B Building Taichung, Taichung, 40447 Taiwan	Hospital or Medical Center	Taiwan	3475-240-0605	China Medical University Hospital Research Ethics Committee No 2 Yuh-Der Road Taichung, Taichung 404 Taiwan	20-Aug-2016	CMUH105- REC1-102

Chien-Hung Chen National Taiwan University Hospital Yun-Lin Branch No.579 Sec 2 Yunlin Rd. Douliou City Yunlin County, Yunlin, 640 Taiwan	Hospital or Medical Center	Taiwan	3475-240-0606	National Taiwan University Hospital - Research Ethics Committee No. 7 Chung-Shan South Rd. Taipei, Taipei 100 Taiwan	05-Sep-2016	201608029M SD
Naiyarat Prasongsook,M.D. Phramongkutklo Hospital 315 Ratchawithi Rd. Div of Med Onco. Chalermphrakiat bldg 4th Fl Bangkok, Krung Thep Maha Nakhon, 10400 Thailand	Hospital or Medical Center	Thailand	3475-240-0622	Institutional Review Board Royal Thai Army MedicalDepartment 315 Rajvithi Rd. Phamongkutklowwechwittaya Bldg., 5th Fl. Bangkok, Krung Thep Maha Nakhon 10400 Thailand	02-Mar-2017	P014h/59

Primary Investigator/Facility Address*	Facility Description	Country	Protocol # - Site #	IEC Name and Address**	Date of Initial IRB Approval	Initial IRB approval number
Suebpong Tanasanvimon,M.D. Chulalongkorn Hospital 1873 Rama 4 Rd. Pathumwan Bangkok, Krung Thep Maha Nakhon, 10330 Thailand	Hospital or Medical Center	Thailand	3475-240-0623	Institutional Review Board, Faculty of Medicine, Chulalongkorn Univ. 1873 Rama 4 Rd. Pathumwan Bangkok, Krung Thep Maha Nakhon 10330 Thailand	17-Nov-2016	514/59
Touch Ativitavas,M.D. Ramathibodi Hospital. 270 Rama VI Rd 6th Fl. Rm 619 Queen Sirikit Medical Center Bangkok, Krung Thep Maha Nakhon, 10400 Thailand	Hospital or Medical Center	Thailand	3475-240-0624	Committee on Human Rights Related to Res. Involving Human Subjects 270 Rama VI Rd, Ratchathewi Faculty of Medicine, Ramathibodi Hosp., Mahidol Univ. Bangkok, Krung Thep Maha Nakhon 10400 Thailand	08-Aug-2016	Protocol #: ID 07-59-29 Internal Order: IO R3105953 8

Vichien Srimuninnimit,M.D./Krittiya Korphaisarn,M.D. Faculty of Medicine Siriraj Hospital 2 Wang Lang Rd. Bangkoknoi 13 Fl. Chalmphrakiat Bldg.Div. of Med. Oncol. Faculty of Medicine Bangkok, Krung Thep Maha Nakhon, 10700 Thailand	Hospital or Medical Center	Thailand	3475-240-0625	Siriraj Institutional Review Board 2 Prannok Rd Office of Siriraj Inst. Review Board. SiMR Building. 2nd Fl Rm 210 Bangkok, Krung Thep Maha Nakhon 10700 Thailand	22-Jul-2016	320/2559(E C1)
Arunee Dechaphunkul Songklanagarind Hospital 15 Kanjanavanich Road Div of Medical Oncology. 5thFl. Sutikam Bldg Hat-Yai, Songkhla, 90110 Thailand	Hospital or Medical Center	Thailand	3475-240-0626	Ethics Committee of Faculty of Medicine, Prince of Songkla U 15 Karnjanavanit Road Faculty of Medicine Prince of Songkla University Hat Yai, Songkhla 90110 Thailand	19-Oct-2016	59-230-14-1

Primary Investigator/Facility Address*	Facility Description	Country	Protocol # - Site #	IEC Name and Address**	Date of Initial IRB Approval	Initial IRB approval number
Busyamas Chewaskulyong,M.D. Maharaj Nakorn Chiangmai Hospital 11th Floor, Sripat Building Div. Medical Oncology. Depart. Internal Medicine. Faculty of Medicine Chiang Mai, Chiang Mai, 50200 Thailand	Hospital or Medical Center	Thailand	3475-240-0627	Research Ethics Committee, Faculty of Medicine, Chiang Mai U 110 Intavaroros Road Chiang Mai, Chiang Mai 50200 Thailand	31-Aug-2016	MED-2559-04016
Irfan Cicin Trakya Uni. Tip Fakultesi Trakya UTF Onkoloji Bilim Dali Balkan Yerleskesi Edirne, Edirne, 22030 Turkey	Hospital or Medical Center	Turkey	3475-240-0641	Bezmi Alem Vakif University Ethics Committee Bezmi Alem Vakif Uni. Vatan Cad. Fatih Istanbul, Istanbul 34093 Turkey Edirne Klinik Arastirmalar Ethics Committee IRB/IEC Trakya Universitesi Balkan Yerleskesi Tip Fakultesi Temel Bilimler Blogu Kat 3 Edirne, Edirne 22030 Turkey	05-OCT-2016	Karar No: 13/01

Ahmet Taner Sumbul,DR. Basken Adana Dr.Turgut Noyan Uygulama ve Arastirma Merkezi No.37A Yuregir Kazim Karabekir Mah. Guelhatmi Cad. Adana, Adana, 01120 Turkey	Hospital or Medical Center	Turkey	3475-240-0644	Bezmalem Vakif University Ethics Committee Bezmalem Vakif Uni. Vatan Cad. Fatih Istanbul, Istanbul 34093 Turkey Edirne Klinik Arastirmalar Ethics Committee IRB/IEC Trakya Universitesi Balkan Yerleskesi Tip Fakultesi Temel Bilimler Blogu Kat 3 Edirne, Edirne 22030 Turkey	05-OCT-2016	Karar No: 13/01
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Primary Investigator/Facility Address*	Facility Description	Country	Protocol # - Site #	IEC Name and Address**	Date of Initial IRB Approval	Initial IRB approval number
Hakan Harputluoglu Inonu University Faculty of Medicine Inonu UTF Turgut Ozal Tip Merkezi Elazig Yolu 15. km. Onkoloji Bolumu Malatya, Malatya, 44280 Turkey	Hospital or Medical Center	Turkey	3475-240-0645	Bezmialem Vakif University Ethics Committee Bezmialem Vakif Uni. Vatan Cad. Fatih Istanbul, Istanbul 34093 Turkey Edirne Klinik Arastirmalar Ethics Committee IRB/IEC Trakya Universitesi Balkan Yerleskesi Tip Fakultesi Temel Bilimler Blogu Kat 3 Edirne, Edirne 22030 Turkey	05-OCT-2016	Karar No: 13/01
Erdem Goker Ege Universitesi Tip Fakultesi Bornova Oncology Department Izmir, Izmir, 35100 Turkey	Hospital or Medical Center	Turkey	3475-240-0648	Bezmialem Vakif University Ethics Committee Bezmialem Vakif Uni. Vatan Cad. Fatih Istanbul, Istanbul 34093 Turkey Edirne Klinik Arastirmalar Ethics Committee IRB/IEC Trakya Universitesi Balkan Yerleskesi Tip Fakultesi Temel Bilimler Blogu Kat 3 Edirne, Edirne 22030 Turkey	05-OCT-2016	Karar No: 13/01



Mesut Seker Bezmialem Vakif Univ. Tıp Fakultesi Hastanesi Tıbbi Onkoloji Bolumu Adnan Menderes Bulvari. Vatan Cad Onkoloji Bolumu. Fatih Istanbul, Istanbul, 34093 Turkey	Hospital or Medical Center	Turkey	3475-240-0649	Bezmialem Vakif University Ethics Committee Bezmialem Vakif Uni. Vatan Cad. Fatih Istanbul, Istanbul 34093 Turkey Edirne Klinik Arastirmalar Ethics Committee IRB/IEC Trakya Universitesi Balkan Yerleskesi Tip Fakultesi Temel Bilimler Blogu Kat 3 Edirne, Edirne 22030 Turkey	05-OCT-2016	Karar No: 13/01
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Primary Investigator/Facility Address*	Facility Description	Country	Protocol # - Site #	IEC Name and Address**	Date of Initial IRB Approval	Initial IRB approval number
Sezer Saglam Gayrettepe Florence Nightingale Hospital Cemil Aslan Guder Sokak No 8 Gayrettepe Istanbul, Istanbul, 34349 Turkey	Hospital or Medical Center	Turkey	3475-240-0650	Bezmialem Vakif University Ethics Committee Bezmialem Vakif Uni. Vatan Cad. Fatih Istanbul, Istanbul 34093 Turkey Edirne Klinik Arastirmalar Ethics Committee IRB/IEC Trakya Universitesi Balkan Yerleskesi Tip Fakultesi Temel Bilimler Blogu Kat 3 Edirne, Edirne 22030 Turkey	05-OCT-2016	Karar No: 13/01
Devrim Cabuk Kocaeli Universitesi Tip Fakultesi Umuttepe Yerleskesi Kocaeli Univ. Tip Fakultesi Ic Hastaliklari ABD. Tibbi Onkoloji BD Kocaeli, Kocaeli, 41380 Turkey	Hospital or Medical Center	Turkey	3475-240-0651	Bezmialem Vakif University Ethics Committee Bezmialem Vakif Uni. Vatan Cad. Fatih Istanbul, Istanbul 34093 Turkey Edirne Klinik Arastirmalar Ethics Committee IRB/IEC Trakya Universitesi Balkan Yerleskesi Tip Fakultesi Temel Bilimler Blogu Kat 3 Edirne, Edirne 22030 Turkey	05-OCT-2016	Karar No: 13/01

Debashis Sarker 1Kings College Hospital Denmark Hill Institute of Liver Studies. 3rd Floor- Cheyne Wing London, Lambeth, SE5 9RS UK	Hospital or Medical Center	UK	3475-240-0661	NRES Committee London - Chelsea 80 London Road Skipton House. Ground Floor. NRES/HRA London, London, City of SE1 6LH UK	14-OCT-2016	16/LO/1514
Daniel Palmer Clatterbridge Oncology Centre Brownlow Hill Liverpool, Liverpool, L69 3GA UK	Hospital or Medical Center	UK	3475-240-0662	NRES Committee London - Chelsea 80 London Road Skipton House. Ground Floor. NRES/HRA London, London, City of SE1 6LH UK	14-OCT-2016	16/LO/1514

Primary Investigator/Facility Address*	Facility Description	Country	Protocol # - Site #	IEC Name and Address**	Date of Initial IRB Approval	Initial IRB approval number
Pankaj Punia University Hospitals Birmingham NHS Foundation Trust Mindelsohn Way.. Cancer Centre Birmingham, Birmingham, B15 2GW UK	Hospital or Medical Center	UK	3475-240-0663	NRES Committee London - Chelsea 80 London Road Skipton House. Ground Floor. NRES/HRA London, London, City of SE1 6LH UK	14-OCT-2016	16/LO/1514
Rohini Sharma Imperial College London Du Cane Road Hammersmith Hospital Campus London, London, City of, WC12 0NN UK	Hospital or Medical Center	UK	3475-240-0664	NRES Committee London - Chelsea 80 London Road Skipton House. Ground Floor. NRES/HRA London, London, City of SE1 6LH UK	14-OCT-2016	16/LO/1514
Syed Zubair The James Cook University Hospital Marton Road South Tees Hospitals NHS Foundation Trust Middlesbrough, United Kingdom, TS4 3BW UK	Hospital or Medical Center	UK	3475-240-0665	NRES Committee London - Chelsea 80 London Road Skipton House. Ground Floor. NRES/HRA London, London, City of SE1 6LH UK	14-OCT-2016	16/LO/1514

Richard Finn UCLA Hematology/Oncology – Santa Monica 10945 Le Conte Ave, Suite 3360 Los Angeles, CA, 90095 USA	Non Hospital Clinical Practice	USA	3475-240-0682	UCLA Office of Human Research Protection Program 11000 Kinross Avenue, Suite 211 Office of the Human Research Protection Program Los Angeles, CA 90095 USA	26-Jul-2016	16-000664
Mark Karwal University of Iowa Hospital and Clinics 200 Hawkins Drive 5977 JPP Iowa City, IA, 52242 USA	Hospital or Medical Center	USA	3475-240-0684	University of Iowa Human Subjects Office 600 Newton Rd University of Iowa Human Subjects Office, Office of the VP for Research Iowa City, IA 52242 USA	31-May-2017	201703843

<b>Primary Investigator/Facility Address*</b>	<b>Facility Description</b>	<b>Country</b>	<b>Protocol # - Site #</b>	<b>IEC Name and Address**</b>	<b>Date of Initial IRB Approval</b>	<b>Initial IRB approval number</b>
Ahmed Kaseb,M.D. MD Anderson 1515 Holcombe Blvd., Unit # 426 FC10.3064 Houston, TX, 77030 USA	Hospital or Medical Center	USA	3475-240-0685	University of Texas MD Anderson Cancer Center IRB 7007 Bertner Avenue Unit 1637 Houston, TX 77030 USA	21-Jun-2017	2016-0786
Arturo Loaiza-Bonilla/Nevena Damjanov Abramson Cancer Center of the University of Pennsylvania 51 N. 39th. Street MAB Suite 103A Philadelphia, PA, 19104 USA	Hospital or Medical Center	USA	3475-240-0686	Office of Regulatory Affairs 133 South 36th Street Mezzanine Level Philadelphia, PA 19104-3246 USA	28-Jun-2016	825044
Gina Vaccaro Oregon Health and Science University 3181 Southwest Sam Jackson Park Road Portland, OR, 97239 USA	Hospital or Medical Center	USA	3475-240-0687	Oregon Health & Science IRB 3181 SW Sam Jackson Park Road L106 RI Institutional Review Board Portland, OR 97239-3098 USA	01-Sep-2016	STUDY0001 6133

Jared Acoba,M.D. The Queen's Medical Center 701 Ilalo St. Honolulu, HI, 96813 USA	Hospital or Medical Center	USA	3475-240-0693	Western Institutional Review Board 1019 39th Avenue SE Suite 120 Puyallup, WA 98374 USA	06-Oct-2016	Study Num: 1168902 WIRB PRO NUM: 20162258 ONLINE TRACKING: 11- 1864777
Jennifer F. Carney Kaiser Permanente - Moanalua Medical Center 3288 Moanalua Road Honolulu, HI, 96813 USA	Hospital or Medical Center	USA	3475-240-0694	Kaiser Permanente Administrative Offices 393 E. Walnut IRB Pasadena, CA 91188 USA Kaiser Permanente IRB 711 Kapiolani Blvd Suite 110 Honolulu, HI 96813 USA	18-May-2016	Pro0000654 9

<b>Primary Investigator/Facility Address*</b>	<b>Facility Description</b>	<b>Country</b>	<b>Protocol # - Site #</b>	<b>IEC Name and Address**</b>	<b>Date of Initial IRB Approval</b>	<b>Initial IRB approval number</b>
Jyotsna Fuloria,M.D./Robert Ramirez Ochsner Clinic Foundation 1514 Jefferson Highway New Orleans, LA, 70121 USA	Hospital or Medical Center	USA	3475-240-0696	Ochsner Clinic Foundation IRB 1554 Jefferson Hwy New Orleans, LA 70121 USA	26-May-2016	2016.104.C
Renuka Iyer,M.D. Roswell Park Cancer Institute Elm and Carlton Streets Roswell Cancer Institute Buffalo, NY, 14263 USA	Hospital or Medical Center	USA	3475-240-0698	Roswell Park Cancer Institute Elm and Carlton Streets Roswell Park Cancer Institute IRB Buffalo, NY 14263 USA	20-Sep-2016	STUDY00000 036
Weijing Sun,M.D./James J Lee UPMC Cancer Center/Hillman Cancer Center 5150 Centre Avenue, 5th Floor Pittsburgh, PA, 15232 USA	Hospital or Medical Center	USA	3475-240-0701	Western Institutional Review Board 1019 39th Avenue SE Suite 120 Puyallup, WA 98374 USA	08-Aug-2016	Study Num: 1167403 WIRB PRO NUM: 20160210 ONLINE TRACKING: 11- 358778
Andrew Xiuxuan Zhu Massachusetts General Hospital 55 Fruit St. Yawkey Building Boston, MA, 02114 USA	Hospital or Medical Center	USA	3475-240-0702	Dana Farber Cancer Institute Institutional Review Board 450 Brookline Ave. OS229 Dana-Farber Cancer Institute Boston, MA 02215 USA	01-May-2017	17-172



<p>Ari Baron  Pacific Hematology Oncology  Associates  2100 Webster St , Ste. 225  San Francisco, CA, 94115  USA</p>	<p>Non Hospital  Clinical Practice</p>	<p>USA</p>	<p>3475-240-0704</p>	<p>Western IRB  1019 39th Avenue SE  Suite 120  Puyallup, WA 98374  USA  Western Institutional Review Board  1019 39th Avenue SE  Suite 120  Puyallup, WA 98374  USA</p>	<p>18-Jul-2016</p>	<p>Study Num:  1166592  WIRB PRO  NUM:  20160210  ONLINE  TRACKING: 11-  358778</p>
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Primary Investigator/Facility Address*	Facility Description	Country	Protocol # - Site #	IEC Name and Address**	Date of Initial IRB Approval	Initial IRB approval number
Daneng Li City of Hope Comprehensive Cancer Center 1500 East Duarte Road Duarte, CA, 91010 USA	Hospital or Medical Center	USA	3475-240-0705	Western IRB 1019 39th Avenue SE Suite 120 Puyallup, WA 98374 USA	20-Apr-2016	Study Num: 1164426 WIRB PRO NUM: 20160210 ONLINE TRACKING: 11- 358778
Andreas Kaubisch Montefiore Medical Center- Albert Einstein College of Medicine 111 East 210th Street Hofheimer 100 Bronx, NY, 10467 USA	Hospital or Medical Center	USA	3475-240-0706	Biomedical Research Alliance of New York 1981 Marcus Avenue Lake Success, NY 11042 USA Biomedical Research Alliance of New York 1983 Marcus Avenue Suite 210 Lake Success, NY 11042 USA	12-Jan-2017	16-06-215-01
Kirk Edward Heyne, M.D. Houston Methodist Cancer Center 6445 Main St., OPC 24 Houston, TX, 77030 USA	Hospital or Medical Center	USA	3475-240-0707	The Methodist Hospital Research Institute IRB 6670 Bertner Houston, MS: R2-216 Houston, TX 77030 USA	07-Jun-2017	Pro00016433

Thomas Reske,M.D. University Medical Center 533 Bolivar St, Room 509 New Orleans, LA, 70124 USA	Hospital or Medical Center	USA	3475-240-0708	LSU Institutional Review Board 1501 Kings Hwy Shreveport, LA 71103 USA	08-Feb-2017	9526
Raed Al-Rajabi,M.D. University of Kansas Cancer Center 2330 Shawnee Mission Parkway Suite 210 Westwood, KS, 66205 USA	Hospital or Medical Center	USA	3475-240-0711	The University of Kansas Medical Center Human Subjects Committee 3901 Rainbow Boulevard Kansas University Hospital Kansas City, KS 66160 USA	09-Nov-2016	Reviewing IRB: IRB00006196 FWA# 00003411 IRB# STUDY000044 90

<b>Primary Investigator/Facility Address*</b>	<b>Facility Description</b>	<b>Country</b>	<b>Protocol # - Site #</b>	<b>IEC Name and Address**</b>	<b>Date of Initial IRB Approval</b>	<b>Initial IRB approval number</b>
Asha Dhanarajan Loyola University Medical Center 2160 S. First Ave. Cancer Center Maywood, IL, 60153 USA	Hospital or Medical Center	USA	3475-240-0712	Loyola University Chicago Health Sciences Division IRB 2160 S. First Ave. Maywood, IL 60153 USA	07-Oct-2016	208865
Marcus Noel University of Rochester 601 Elmwood Avenue Box 704 James P. Wilmot Cancer Center Rochester, NY, 14642 USA	Hospital or Medical Center	USA	3475-240-0713	Western IRB 1019 39th Avenue SE Suite 120 Puyallup, WA 98374 USA	27-Jul-2016	Study Num: 1167184 WIRB PRO NUM: 20160210 ONLINE TRACKING: 11- 358778
Philip A. Philip, M.D./Anteneh A. Tesfaye/Anthony Frank Shields, M.D., Ph.D. Karmanos Cancer Institute 3990 John R Street HW04HO Detroit, MI, 48201 USA	Hospital or Medical Center	USA	3475-240-0714	Western Institutional Review Board 1019 39th Avenue SE Suite 120 Puyallup, WA 98374 USA	22-Jul-2016	Study Num: 1166959 WIRB PRO NUM: 20160210 ONLINE TRACKING: 11- 358778

<p>GENE SAYLORS,M.D.  Charleston Hematology Oncology Associates PA  2085 Henry Tacklenburg Drive  2nd Floor  Charleston, SC, 29414  USA</p>	<p>Non Hospital  Clinical Practice</p>	<p>USA</p>	<p>3475-240-0716</p>	<p>Copernicus Group Independent Review Board  5000 Centregreen Way  Suite 200  Cary, NC 27513  USA</p>	<p>08-Jun-2016</p>	<p>MER1-16-040</p>
<p>Arvind Chaudhry  Medical Oncology Associates  6001 N. Mayfair Street  Spokane, WA, 99208  USA</p>	<p>Non Hospital  Clinical Practice</p>	<p>USA</p>	<p>3475-240-0721</p>	<p>Copernicus Group Independent Review Board  5000 Centregreen Way  Suite 200  Cary, NC 27513  USA</p>	<p>02-Aug-2016</p>	<p>MER1-16-040</p>

Primary Investigator/Facility Address*	Facility Description	Country	Protocol # - Site #	IEC Name and Address**	Date of Initial IRB Approval	Initial IRB approval number
Gary Xiao Drexel University College of Medicine 245 North 15th St. 12th Floor NCB Suite 12318 Philadelphia, PA, 19102 USA	Treatment Center	USA	3475-240-0722	Western IRB 1019 39th Avenue SE Suite 120 Puyallup, WA 98374 USA	02-Aug-2016	Study Num: 1166672 WIRB PRO NUM: 20160210 ONLINE TRACKING: 11- 358778
Fadi S. Braiteh Comprehensive Cancer Centers of Nevada 3730 S. Eastern Ave Las Vegas, NV, 89169 USA	Non Hospital Clinical Practice	USA	3475-240-0728	Copernicus Group Independent Review Board 5000 Centregreen Way Suite 200 Cary, NC 27513 USA	23-Aug-2016	MER1-16-040
Aiwu Ruth He Georgetown University Medical Center 3800 Reservoir Road, NW Washington, DC, 20007 USA	Hospital or Medical Center	USA	3475-240-0729	MedStar Research Institute - Georgetown University Oncology Institutional Review Board 3900 Reservoir Road, NW Med/Dent Building, SW 104 Washington, DC 20057-2197 USA	07-Dec-2016	2016-1367
Moses Raj Allegheny Health Network Cancer Institute 320 East North Avenue Pittsburgh, PA, 15212 USA	Hospital or Medical Center	USA	3475-240-0730	Western Institutional Review Board 1019 39th Avenue SE Suite 120 Puyallup, WA 98374 USA	30-Dec-2016	STUDY NUM: 1171020 WIRB PRO NUM: 20160210

						ONLINE TRACKING: 11-358778
Steven Emmons St. Mary's Hospital Regional Cancer Center 750 Wellington Ave. Grand Junction, CO, 81501 USA	Hospital or Medical Center	USA	3475-240-0731	Western Institutional Review Board 1019 39th Avenue SE Suite 120 Puyallup, WA 98374 USA	09-Mar-2017	STUDY NUM: 1173423 WIRB PRO NUM: 20162258 ONLINE TRACKING: 11-1864777
Alex Menter Kaiser Permanente of Colorado 10240 Park Meadows Drive Lone Tree, CO, 80124 USA	Treatment Center	USA	3475-240-0732	Kaiser Permanente IRB 2550 South Parker Rd Aurora, CO 80014 USA	25-Aug-2016	IRB #: CO-16- 2393 Project #: 16011497

Primary Investigator/Facility Address*	Facility Description	Country	Protocol # - Site #	IEC Name and Address**	Date of Initial IRB Approval	Initial IRB approval number
Juan Sanabria Edwards Comprehensive Cancer Center 1400 Hal Greer Boulevard Huntington, WV, 25701 USA	Hospital or Medical Center	USA	3475-240-0733	Marshall University School of Medicine and Medical Center 1245 15th St Univ Physicians & Surgeons, Inc., Univ Physicans Internal Medicine Huntington, WV 25701 USA	09-Nov-2016	967472-1
Samuel Klempner, M.D. The Angeles Clinic and Research Institute 11818 Wilshire Blvd. Suite 200 Los Angeles, CA, 90025 USA	Non Hospital Clin Rsrch Site	USA	3475-240-0734	Western Institutional Review Board 1019 39th Avenue SE Suite 120 Puyallup, WA 98374 USA	23-Mar-2017	STUDY NUM: 1173785 WIRB PRO NUM: 2016210 ONLINE TRACKING: 11-358778
Olugbenga Olowokure University of Cincinnati 200 Albert Sabin Way, Suite 4002A Cincinnati, OH, 45267 USA	Hospital or Medical Center	USA	3475-240-0735	Western Institutional Review Board 1019 39th Avenue SE Suite 120 Puyallup, WA 98374 USA	21-Mar-2017	Study Num: 1169222 WIRB PRO NUM: 20160210 ONLINE TRACKING: 11-358778



Ramya Thota Intermountain Healthcare 5169 S. Cottonwood Street Eccles Outpatient Building, Suite 610 Murray, UT, 84107 USA	Hospital or Medical Center	USA	3475-240-0736	Intermountain Healthcare Urban Central Region IRB 8th Ave. and C St. Salt Lake City, UT 84143 USA	12-Jan-2017	1050371
Ahmed Zakari Florida Hospital Cancer Institute 2501 N. Orange Avenue, Suite 689 Orlando, FL, 32804 USA	Hospital or Medical Center	USA	3475-240-0737	Western Institutional Review Board 1019 39th Avenue SE Suite 120 Puyallup, WA 98374 USA	09-Aug-2016	Study Num: 1168467 WIRB PRO NUM: 20160210 ONLINE TRACKING: 11- 358778
Mark Huber Avera Cancer Institute 1000 E. 23rd Street, Suite 320 Sioux Falls, SD, 57105 USA	Treatment Center	USA	3475-240-0738	Avera Institutional Review Board 3900 West Avera Drive Sioux Falls, SD 57108 USA	18-Jan-2017	2016.086

<b>Primary Investigator/Facility Address*</b>	<b>Facility Description</b>	<b>Country</b>	<b>Protocol # - Site #</b>	<b>IEC Name and Address**</b>	<b>Date of Initial IRB Approval</b>	<b>Initial IRB approval number</b>
Jonathan S. Treisman, M.D. Wheaton Franciscan Healthcare- All Saints 7410 West Rawson Avenue Franklin, WI, 53132 USA	Treatment Center	USA	3475-240-0742	Wheaton Franciscan Healthcare Southeast Wisconsin IRB- Milwaukee 400 W. River Woods Parkway Milwaukee, WI 53212 USA	22-Feb-2017	1020
Eric J. Lawitz, M.D. American Research Corporation at Texas Liver Institute 607 Camden Street San Antonio, TX, 78215 USA	Non Hospital Clin Rsrch Site	USA	3475-240-0743	Copernicus Group Independent Review Board 5000 Centregreen Way Suite 200 Cary, NC 27513 USA	09-Nov-2016	MER1-16-040
Edward J Kim, M.D. UC Davis Comprehensive Cancer Center 4501 X Street, Suite 3016 Sacramento, CA, 95817 USA	Hospital or Medical Center	USA	3475-240-0745	University of California Davis Medical Center IRB 2921 Stockton Blvd. Ste.1400 CTSC Bldg., Rm. 1429, IRB Administration Sacramento, CA 95817 USA	20-Feb-2017	1021051-2
Dan Costin White Plains Hospital Center for Cancer Care 2 Longview Ave. 3rd Floor White Plains, NY, 10601 USA	Hospital or Medical Center	USA	3475-240-0746	White Plains Hospital 2 Longview Ave White Plains, NY 10601 USA	03-Feb-2017	Not available

Philip Edward Lammers, M.D. Nashville General Hospital 1005 Dr. D. B. Todd Jr. Boulevard Nashville, TN, 37208 USA	Hospital or Medical Center	USA	3475-240-0747	Meharry Medical College Institutional Review Board 1005 Dr. D. B. Todd, Jr. Blvd. WBS Bldg - Attn: Cynthia Weaver Nashville, TN 37208 USA	07-Feb-2017	eProtocol ID: 16-12-640 C/N: 170201PL020
Vaibhav Sahai University of Michigan 1500 E. Medical Center Dr. Ann Arbor, MI, 48109 USA	Hospital or Medical Center	USA	3475-240-0748	University of Michigan Med School Institutional Review Board Argus I Building 517 W. William Ann Arbor, MI 48103 USA	14-Apr-2017	HUM00123343

Primary Investigator/Facility Address*	Facility Description	Country	Protocol # - Site #	IEC Name and Address**	Date of Initial IRB Approval	Initial IRB approval number
Marcelo Garrido Pontificia Universidad Catolica de Chile Diagonal Paraguay 319 Piso 2 Santiago, Region M. de Santiago, 8330032 Chile	Hospital or Medical Center	Chile	3475-240-0781	Comite etico cientifico Facultad de medicina Pontificia Universidad Catolica de Chile Marcoleta 391 Piso 1 Santiago, Region M. de Santiago 8330024 Chile	02-Aug-2016	16-097
Jamil Asselah McGill University Health Centre 1001 boul Decarie Room C04.0119 Montreal, QC, H4A 3J1 Canada	Hospital or Medical Center	Canada	3475-240-0801	MUHC Centre for Applied Ethics 2155 Guy St., 7th Floor Room C7-118 Montreal, QC H3H 2R9 Canada MUHC Centre for Applied Ethics 2155 Guy Street 2nd Floor. Room 231 Montreal, QC H3H 2R9 Canada	22-Dec-2016	2017-2591
Ravi Ramjeesingh QEII Health Sciences Centre 5790 University Avenue QEII HSC Centre for Clinical Research. Room 123 Halifax, NS, B3H 1V7 Canada	Hospital or Medical Center	Canada	3475-240-0802	Nova Scotia Health Authority Research Ethics Board 5790 University Ave. Room 118 Centre for Clinical Research - Research Ethics Board Halifax, NS B3H 1V7 Canada	08-Dec-2016	1021672

Vincent C Tam,DR. Tom Baker Cancer Centre 1331 29 Street NW Calgary, AB, T2N 4N2 Canada	Hospital or Medical Center	Canada	3475-240-0803	Health Research Ethics Board of Alberta - HREBA 1500-10104 103 Ave NW Cancer Committee Edmonton, AB T5J 0H8 Canada	13-Oct-2016	HREBA.CC- 16-0734
Rakesh Goel Ottawa Hospital Regional Cancer Centre 501 Smyth Road. Ottawa, ON, K1H 8L6 Canada	Hospital or Medical Center	Canada	3475-240-0804	OCREB - Ontario Cancer Research Ethics Board 661 University Avenue MaRS Centre. Suite 510 Toronto, ON M5G 0A3 Canada	05-Jun-2017	17-010

Primary Investigator/Facility Address*	Facility Description	Country	Protocol # - Site #	IEC Name and Address**	Date of Initial IRB Approval	Initial IRB approval number
Kevin Zbuk Juravinski Cancer Center 699 Concession Street Hamilton, ON, L8V 5C2 Canada	Hospital or Medical Center	Canada	3475-240-0805	OCREB - Ontario Cancer Research Ethics Board 661 University Avenue MaRS Centre. Suite 510 Toronto, ON M5G 0A3 Canada	05-Jun-2017	17-010
Yoo-Joung Ko Sunnybrook Health Sciences, Odette Cancer Centre 2075 Bayview Avenue T2-143. Sunnybrook Health Sciences Centre. OCC Clinical Research Dept Toronto, ON, M4N 3M5 Canada	Hospital or Medical Center	Canada	3475-240-0806	OCREB - Ontario Cancer Research Ethics Board 661 University Avenue MaRS Centre. Suite 510 Toronto, ON M5G 0A3 Canada	05-Jun-2017	17-010
Koji Ogawa Hokkaido University Hospital Kita 14jo Nishi 5, Kita-ku Sapporo, Hokkaido, 060-8648 Japan	Hospital or Medical Center	Japan	3475-240-0841	Hokkaido University Hospital Institutional Review Board Kita 14jo Nishi 5, Kita-ku Sapporo, Hokkaido 060-8648 Japan	19-Jul-2016	16035

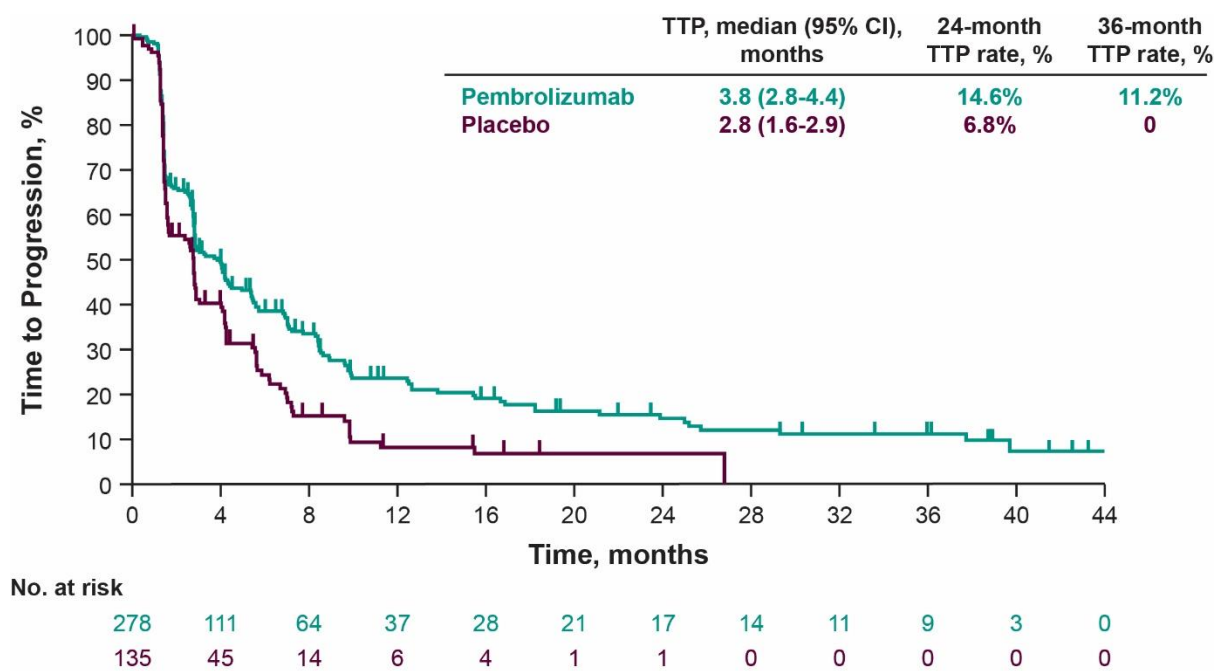
\* If the original investigator has been replaced, that investigator's name is followed by a slash (/) and the replacement investigator's name.

\*\* Name(s) of Committee Chair/Alternate and Individual IEC members available upon request.

**Online Supplementary Fig. 1.** Kaplan-Meier estimate of time to progression for pembrolizumab and placebo assessed by BICR per RECIST v1.1.

Tick marks indicate censored observations.

BICR, blinded independent central review; RECIST v1.1, Response Evaluation Criteria in Solid Tumors, version 1.1; TTP, time to progression.



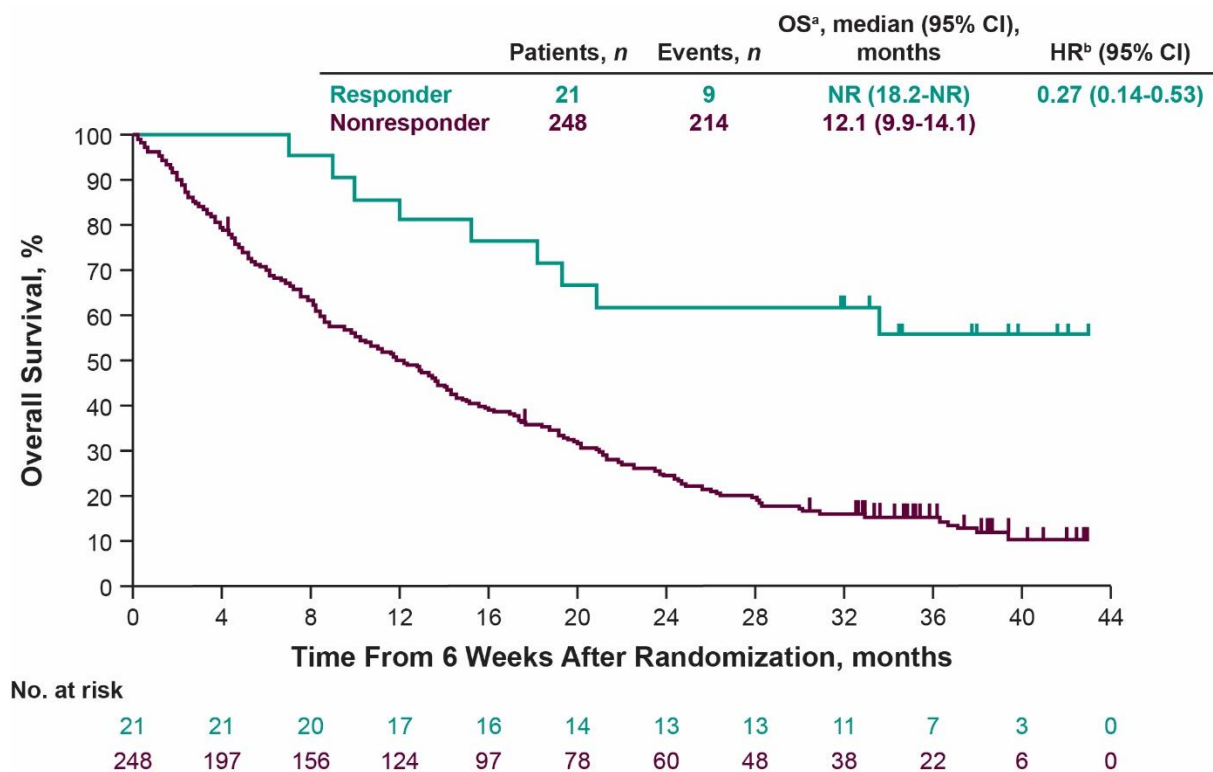
**Online Supplementary Fig. 2.** Landmark analysis of OS from week 6 after randomization in the pembrolizumab arm by responder versus nonresponder status at week 6.

<sup>a</sup>From product limit (Kaplan-Meier) method for censored data.

<sup>b</sup>Based on the Cox proportional hazards regression model with Efron’s method for handlingties, with responder status by the landmark time as a single covariate.

Analyses were performed in the ITT population. Objective response was assessed by BICR per RECIST v1.1.

BICR, blinded independent central review; ITT, intent to treat; RECIST v1.1, Response Evaluation Criteria in Solid Tumors, version 1.1.





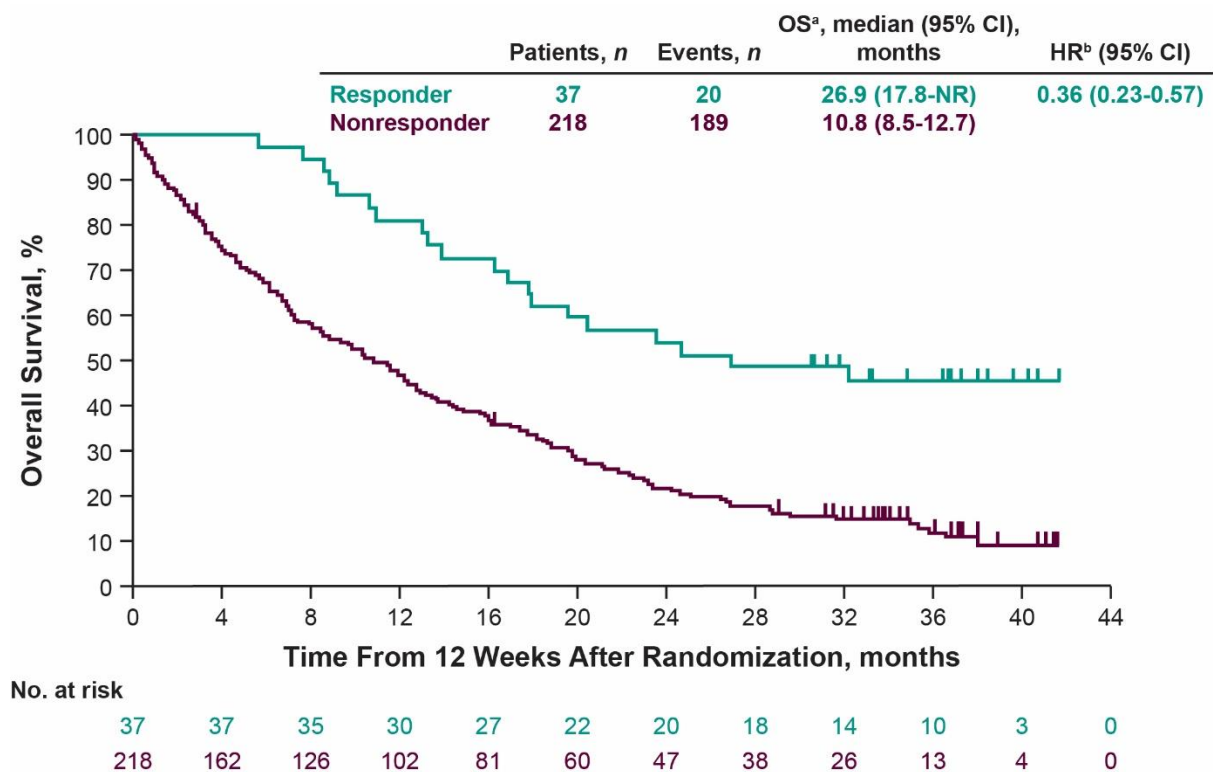
**Online Supplementary Fig. 3.** Landmark analysis of OS from week 12 after randomization in the pembrolizumab arm by responder versus nonresponder status at week 12.

<sup>a</sup>From product limit (Kaplan-Meier) method for censored data.

<sup>b</sup>Based on the Cox proportional hazards regression model with Efron’s method for handling ties, with responder status by the landmark time as a single covariate.

Analyses were performed in the ITT population. Objective response was assessed by BICR per RECIST v1.1.

BICR, blinded independent central review; ITT, intent to treat; RECIST v1.1, Response Evaluation Criteria in Solid Tumors, version 1.1.



**Online Supplementary Fig. 4.** Landmark analysis of OS from week 18 after randomization in the pembrolizumab arm by responder versus nonresponder status at week 18.

<sup>a</sup>From product limit (Kaplan-Meier) method for censored data.

<sup>b</sup>Based on the Cox proportional hazards regression model with Efron’s method for handling ties, with responder status by the landmark time as a single covariate.

Analyses were performed in the ITT population. Objective response was assessed by BICR per RECIST v1.1.

BICR, blinded independent central review; ITT, intent to treat; RECIST v1.1, Response Evaluation Criteria in Solid Tumors, version 1.1.

