



SPRING GROUP MEETING

# Seattle

## Gastrointestinal Committee

Leadership	Oncology Research Professionals:	
Chair:Philip A. Philip, MD, PhD, FRCP	CRA:	Michelle A. Springer, BA
Vice-Chair:Elena G. Chiorean, MD	Nurse:	TBD
Executive Officer:	Patient Advocate (Pancreatic):	Carole Seigel, MBA
Statisticians: Katherine A. Guthrie, PhD	Patient Advocate (Colon):	Florence Kurttila, MS
Sarah Colby, MS	Pharmaceutical Science:	_
Scientific Leadership		Safae Chouraichi, PharmD
Gastroesophageal:Syma Iqbal, MD	Protocol Project Manager:	Andrea Garcia
Zev A. Wainberg, MD	Clinical Trials Program Manager:	Laura Gildner, MS
Pancreatic:	Time/Location	
	Friday, April 5, 2024 4:30 p.m 6:30 p.	m.
Hepatobiliary: Anthony B. El-Khoueiry, MD	Room: Columbia D (Level 3)	
Rachna T. Shroff, MD	Λαο	and a
Syed A. Ahmad, MD (Surgical representative)	Age	enda
Colon:	1. Welcome	
Philip J. Gold, MD	2. Announcements & Introductions	Philip Philip
Sepideh Gholami, MD (Surgical representative)	2. Amouncements & introductions	E. Gabriela Chiorean
Neuroendocrine Tumors: Nageshwara Arvind Dasari, MD		L. Guoricia Critorcuri
Jonathan R. Strosberg, MD	3. HEARD Subcommittee Initiatives	Rachel Safyan, Colmar Figueroa-
Ano-Rectal:Lisa A. Kachnic, MD	Moseley, Carole Seigel, Florence Ku	ırttila
Hagen F. Kennecke, MD	4. SWOG Led Trials Updates	
Imaging: Anthony F. Shields, MD, PhD	a. S1922	Michael Overman
Pathology: Mary Kay Washington, MD, PhD	b. S2001	Vincent Chung
Radiation Oncology: Lisa A. Kachnic, MD	c. S2104	Heloisa Soares/S. Ahmad
Surgery: Stephen W. Behrman, MD	d. S2107	Van Morris
Syed A. Ahmad, MD	e. S2012	David Zhen/E. Gabriela Chiorean
	f. S2303	Anwaar Saeed/Paul Oberstein
Translational Medicine:	5. SWOG Co-Led Trials Updates	
	a. A022104	Arvind Dasari
Designates	b. A022001	Heloisa Soares
Cancer Control Liaisons:	c. EA2192	Anup Kasi
Afsaneh Barzi, MD (CCD)	d. NRG-GI004	Michael Overman
Community Liaisons: Gary L. Buchschacher, MD, PhD (Medical Oncology)	e. NRG-GI008	Christopher Lieu
Mohamed E. Salem, MD (Medical Oncology)	f. CCTG NE1	Aman Chauhan
Flavio Rocha, MD (Surgical)		
David Horowitz, MD (Radiation Oncology)	6. Anal and Rectal	Hagen Kennecke, Lisa Kachnic
DEI Champion:Colmar Figueroa-Moseley, PhD, MPH	a. Major recent clinical results	
Rachael Ann Safyan, MD	b. NCTN trials update	
Digital Engagement:	c. Future SWOG plans	
Veterans Affairs:       Rangaswamy Govindarajan, MD         Data Coordinators:       Alex Rangel, BS		
Data Coordinators:		
Christine Magner		



7. Colon

Marwan Fakih, Philip Gold, Sepideh Gholami

Syma Igbal, Zev Wainberg

Anthony El-Khoueiry

Jon Strosberg, Arvind Dasari

Davendra Sohal, Andrew Lowy

Rachna Shroff

- a. Major recent clinical results
- b. NCTN trials update
- c. Future SWOG plans
- 8. Gastroesophageal
  - a. Major recent clinical results
  - b. NCTN trials update
  - c. Future SWOG plans
- 9. Hepatobiliary
  - a. Major recent clinical results
  - b. NCTN trials update
  - c. Future SWOG plans
- 10. Neuroendocrine
  - a. Major recent clinical results
  - b. NCTN trials update
  - c. Future SWOG plans
- 11. Pancreatic
  - a. Major recent clinical results
  - a. Major recent elimearrese
  - b. NCTN trials update
  - c. Future SWOG plans
- 12. Discussion/Other business
- 13. Adjourn

#### Gastroesophageal

#### **Active Studies**

- **S2303**, "Randomized Phase II/III Trial of 2nd Line Nivolumab + Paclitaxel + Ramucirumab versus Paclitaxel + Ramucirumab in Patients with PD-L1 CPS ≥ 1 Advanced Gastric and Esophageal Adenocarcinoma (PARAMUNE)", Drs. Saeed and Obertstein. Activated: 3/15/24.
- CTSU/A022102, "Randomized Phase III Trial of mFOLFIRINOX +/Nivolumab vs. FOLFOX +/- Nivolumab for First-Line Treatment of
  Metastatic HER2-Negative Gastroesophageal Adenocarcinoma." Dr.
  Oberstein, Activated: 1/17/19.
- CTSU/EA2174, "A Phase II/III Study of Peri-Operative Nivolumab and Ipilimumab in Patients with Locoregional Esophageal and Gastroesophageal Junction Adenocarcinoma." Dr. Kelly. Activated: 1/17/19. Temporarily Closed to Accrual as of 12/29/2022.

- CTSU/EA2183, "A Phase III Study of Consolidative Radiotherapy in Patients with Oligometastatic HER2 Negative Esophageal and Gastric Adenocarcinoma (EGA)." Dr. Horowitz. Activated: 2/6/2020.
- CTSU/NRG-GI006, "Phase III Randomized Trial of Proton Beam Therapy (PBT) Versus Intensity Modulated Photon Radiotherapy (IMRT) for the Treatment of Esophageal Cancer." Dr. Zhen. Activated: 3/16/19.

#### **Pancreatic**

#### **Developing Studies**

**SXXXX**, "Randomized Phase II Study of Second-Line Chemotherapy with or Without Panitumumab for Locally Advanced or Metastatic KRAS/BRAFV600E Wild-Type Pancreatic Ductal Adenocarcinoma." Drs R. Safyan and EG Chiorean. Presented at Pancreas Cancer Task Force 02/2023.

#### **Active Studies**

- **S2001**, "Randomized Phase II Clinical Trial of Olaparib + Pembrolizumab Alone as Maintenance Therapy in Metastatic Pancreatic Cancer Patients with Germline BRCA1 or BRCA2 Mutations." Dr. Chung. Activated: 12/4/20.
- CTSU/A021806, "A Phase III Trial of Perioperative Versus Adjuvant Chemotherapy for Resectable Pancreatic Cancer." Dr. Noel. Activated: 7/1/20.
- CTSU/A022106, "Phase II/III Second-Line Nabplagem Vs. Nab-Paclitaxel/ Gemcitabine In Brca1/2 Or Palb2 Mutant Metastatic Pancreatic Ductal Adenocarcinoma (PLATINUM)." Dr. Greg Botta, Activated: 12/1/23.
- CTSU/EA2186, "A Randomized Phase II Study of Gemcitabine and Nab-Paclitaxel Compared with 5-Fluorouracil, Leucovorin, and Liposomal Irinotecan in Older Patients with Treatment Naïve Metastatic Pancreatic Cancer (GIANT)." Dr. Zhen. Activated: 6/18/20.
- CTSU/EA2192, "APOLLO: A Randomized Phase II Double-Blind Study of Olaparib Versus Placebo Following Adjuvant Chemotherapy in Patients with Resected Pancreatic Cancer and a Pathogenic BRCA1, BRCA2 or PALB2 Mutation." Drs. Chiorean and Philip. Activated: 4/29/21.
- CTSU/EA2185, "Comparing the Clinical Impact of Pancreatic Cyst Surveillance Programs." Dr. Pillarisetty. Activated: 01/16/2020.

#### Neuroendocrine

#### **Active Studies**

**<u>\$2104</u>**, "Randomized Phase II Trial of Postoperative Adjuvant Capecitabine



- and Temozolimide versus Observation in High-Risk Pancreatic Neuroendocrine Tumors." Dr. Soares. Activated: 10/14/21.
- **S2012**, "Randomized Phase II/III Trial of First Line Platinum/Etoposide with or without Atezolizumab (NSC #783608) in Patients with Advanced or Metastatic Poorly Differentiated Extrapulmonary Neuroendocrine Carcinomas (NEC)" Activated Drs. D. Zhen, E. Chiorean, E. Burgess, E. Swisher, L. Byers. Activated: 12/02/2021
- CTSU/A021602, "Randomized Double-Blinded Phase III Study of CABozantinib versus Placebo IN Advanced NEuroendocrine Tumors after Progression on Prior Therapy (CABINET)." Dr. Strosberg. Activated: 7/18/18. Temporarily Closed to Accrual as of 08/07/2023
- CTSU/A021804, A Prospective, Multi-institutional Phase II Trial Evaluating Temozolomide vs. Temozolomide and Olaparib for Advanced Pheochromocytoma and Paraganglioma. Dr C. Lopez. Activated: 11/02/2020.
- CTSU/A021901, Randomized Phase II Trial of Lutetium Lu 177 Dotatate
  Versus Everolimus in Somatostatin Receptor Positive Bronchial
  Neuroendocrine Tumors. Dr. Hendifar. Activated: 09/10/2021
- CTSU/A022001, Phase II Randomized, Prospective Trial of Lutetium Lu 177 Dotatate PRRT Versus Capecitabine and Temozolomide in Well-Differentiated Pancreatic Neuroendocrine Tumors. Dr. Soares. Activated: 03/16/2022
- CTSU/CCTG NE1, Comparing retreatment of Peptide Receptor Radionuclide Therapy versus standard treatment. Dr A. Chauhan. Activated: 06/14/2023.

#### Colon/Small Bowel

#### **Developing Studies**

- **S2420**, "A Randomized Phase II Trial of Regorafenib, Ipilimumab, and Nivolumab Versus Trifluridine/Tipiracil Plus Bevacizumab in Metastatic Colorectal Cancer Without Liver Metastases", Dr. Fakih. Approved by SWOG Executive Committee on 12/22/23
- XXXX, PreOpEraTive Immunotherapy and Chemotherapy for Colon Cancer (POETIC) Drs Krishnamurthy and Senthil. Presented at Colon Cancer Task Force 09/2023.

#### **Active Studies**

**S2107**, Randomized phase II trial of encorafenib and cetuximab with or without nivolumab for patients with previously treated microsatellite stable, BRAFV600E metastatic and/or unresectable colorectal cancer. Dr. V. Morris. Activated: 6/06/2022.

- **S1922**, Randomized Phase II Selection Study of Ramucirumab and Paclitaxel Versus FOLFIRI in Refractory Small Bowel Adenocarcinoma. Dr. M. Overman. Activated: 12/16/2019.
- CTSU/A022004, Randomized Trial of Consolidation Targeted Adjuvant Therapy with Encorafenib and Cetuximab Versus Usual Care for Patients with Stage II/III BRAF V600E Colon Cancer. Drs. Krishnamurthi, Subramanyan. Activated: 05/30/2023.
- CTSU/A022101, "A Pragmatic Randomized Phase III Trial Evaluating Total Ablative Therapy for Patients with Limited Metastatic Colorectal Cancer: Evaluating Radiation, Ablation, and Surgery (ERASur)" Dr. S. Gholami. Activated: 1/10/23.
- CTSU/NRG-GI004/S1610, Colorectal Cancer Metastatic MSI-High Immuno-Therapy (COMMIT) Study: A Randomized Phase III Study of mFOLFOX6/Bevacizumab Combination Chemotherapy with or without Atezolizumab or Atezolizumab Monotherapy in the First-Line Treatment of Patients with Microsatellite Instability-High (MSI-H) Metastatic Colorectal Cancer. Dr. M. Overman. Activated: 11/07/2017.
- CTSU/NRG-GI008, Colon Adjuvant Chemotherapy Based on Evaluation of Residual Disease (CIRCULATE-US) Dr. C Lieu. Activated 03/10/2022.

#### Rectal/Anal

#### **Active Studies**

- CTSU/A022104, "The Janus Rectal Cancer Trial: A Randomized Phase II Trial Testing the Efficacy of Triplet Versus Doublet Chemotherapy to Achieve Clinical Complete Response in Patients with Locally Advanced Rectal Cancer" Activated 11/9/2022. SWOG Champion: A. Dasari
- CTSU/EA2176, "Randomized Phase III Study of Immune Checkpoint Inhibition with Chemotherapy in Treatment-Naïve Metastatic Anal Cancer Patients." Dr. Morris. Activated: 10/15/20.
- CTSU/EA2182, "A Randomized Phase II Study of De-Intensified ChemoRadiation for Early-Stage Anal Squamous Cell Carcinoma (DECREASE)." Dr. Murphy. Activated: 11/12/19.

#### Hepatobiliary

#### **Developing Studies**

XXXX, Randomized Phase 2 trial of Liposomal Irinotecan, Fluorouracil, Leucovorin, and Onvansertib in Second-Line Treatment of KRAS-Mutated Advanced Biliary Tract Cancer. Dr. R. Kim. Presented at the Hepatobiliary Task Force 06/2023.



#### **Active Studies**

CTSU/NRG-GI003, "A Phase III Randomized Trial of Protons Versus Photons for Hepatocellular Carcinoma." Dr. El-Khoueiry. Activated: 6/21/17.

CTSU/EA2197, "Optimal Perioperative Therapy for Incidental Gallbladder Cancer (OPT-IN): A Randomized Phase II/III Trial." Dr. Rocha. Activated: 12/22/20.

CTSU/EA2205, A Randomized Phase II Trial Evaluating Chemotherapy Plus Atezolizumab vs Chemotherapy Plus Bevacizumab and Atezolizumab in Advanced Combined Hepatocellular Carcinoma-Cholangiocarcinoma. Activated: 02/11/2022

#### **Publications**

The publications listed below were received by the Group Chair's Office as published (including online), accepted, or submitted since the SWOG Fall 2023 Group Meeting. Conference abstracts are not included.

Because of journal embargo policies, journal names are ommitted for submitted or accepted manuscripts.

#### **Published/Accepted Manuscripts**

S1505 Intra-tumoral cell neighborhoods coordinate outcomes in pancreatic ductal adenocarcinoma. Wattenberg M, Colby S, Garrido-Laguna I, Xue Y, Chang R, Delman D, Beg M, Wang-Gillam A, Wade J, Guthrie K, Chiorean EG, Ahmad S, Lowy A, Philip PA, Sohal D, Beatty G. Gastroenterology Jan 18:S0016-5085(24)00049-0. doi: 10.1053/j. gastro.2024.01.013. Online ahead of print, 2024. https://pubmed.ncbi.nlm.nih.gov/38244727/

S1505 Body Composition Measurements and Clinical Outcomes in Patients with Resectable Pancreatic Adenocarcinoma: Analysis from SWOG S1505 [Brief Report]. Sohal D, Boutin R, Lenchik L, Kim J, Beg S, Wang-Gillam A, Wade J, Guthrie KA, Chiorean E, Ahmad S, Lowy A, Philip P, Chang V. Accepted 2024.

<u>S1505</u> Failure to Undergo Resection Following Neoadjuvant Therapy for Resectable Pancreatic Cancer: A Secondary Analysis of SWOG S1505. Cloyd J, Colby S, Guthrie KA, Lowy A, Chiorean E, Philip P, Sohal D, Ahmad S. Accepted 2023.

<u>S2104</u> Testing the Use of Chemotherapy After Surgery for High-Risk Pancreatic Neuroendocrine Tumors [Research Letter]. Ryan C, Saif A, Rocha F, Philip P, Hernandez J, Ahmad S, Soares H. Ann <u>Surg Oncol</u>. Mar;30(3):1302-1304, 2023. <a href="https://pubmed.ncbi.nlm.nih.gov/36474095/">https://pubmed.ncbi.nlm.nih.gov/36474095/</a>

C/S80405 Predictive value of CDC37 gene expression for targeted therapy in metastatic colorectal cancer. Arai H, Yang Y, Millstein J, Denda T, Ou F, Innocenti F, Takeda H, Kubota Y, Doi A, Horie Y, Umemoto K, Izawa N, Wang J, Battaglin F, Jayachandran P, Algaze S, Soni S, Zhang W, Zhang W, Goldberg R, Hall M, Scott A, Hwang J, Lou E, Weinberg B, Marshall J, Goel S, Xiu J, Korn M, Venook A, Sunakawa Y, Lenz H-J. Eur J Cancer Feb 10:201:113914. doi:10.1016/j.ejca.2024.113914. Online ahead of print, 2024.. https://pubmed.ncbi.nlm.nih.gov/38359495/

C80802 CALGB 80802 (Alliance): Impact of Sorafenib with and without Doxorubicin on Hepatitis C infection in Patients with advanced hepatocellular carcinoma. Abou-Alfa G, Geyer S, Nixon A, Innocenti F, Shi Q, Jacobson S, El Dika I, Yaqubie A, Lopez J, Hwang B, El-Khoueiry A, Tang Y, Wen Y, Schwartz L, Bertagnolli M, Meyerhardt J, O'Reilly E, Venook A. Cancer Res Commun Feb 16. doi: 10.1158/2767-9764.CRC-22-0516. Online ahead of print, 2024.

#### **Submitted Manuscripts**

https://pubmed.ncbi.nlm.nih.gov/38363156/

Solve The Effect of Radiation Modality on Outcomes of Patients
Receiving Adjuvant Chemoradiotherapy for Extrahepatic
Cholangiocarcinoma and Gallbladder Carcinoma: A Secondary Analysis of SWOG Solve. Horowitz D, Colby S, Gholami S, Guthrie KA, Ben-Josef E, El-Khoueiry A, Blanke CD, Philip P, Chiorean E, Rocha F, Ahmad S, Kachnic L. Resubmitted 2023.

No147 Cetuximab reduces patient quality of life when administered with mFOLFOX6 as adjuvant treatment following complete resection of KRAS wild-type tumors for stage III colorectal cancer (N0147 Alliance). Mahoney MR, Sloan JA, Hubbard JM, Tan AD, Liu H, Goldberg RM, Nair SG, Shields AF, Gill S, Jahagirdar B, Benson A, Sargent DJ, Alberts SR. Submitted 2023.



	51922	52001	52104	52107	A021502	A021602	A021703	A021806	A022001	A022102
Ascension Providence Hospitals - Southfield	-	2	-	-	3	-	-	-	-	-
Banner University Medical Center - Tucson	-	-	4	-	2	3	-	1	-	-
Baptist Mem Health Care/Mid South MU-NCORP	-	2	-	-	-	-	-	-	-	-
Baylor College of Medicine/Duncan CCC	-	-	-	-	-	-	1	-	-	-
Boston Medical Center	-	-	-	-	1	3	-	1	-	2
CWRU Case Comprehensive Cancer Center LAPS	-	-	-	-	6	-	-	2	-	-
Cancer Research Consortium of West Michigan NCORP	-	-	-	2	-	-	-	-	-	-
Carle Cancer Center NCORP	1	-	-	1	-	-	-	-	-	-
City of Hope Comprehensive Cancer Center	-	3	-	-	-	1	-	-	-	-
Columbia University Minority Underserved NCORP	-	1	-	-	-	-	-	-	-	-
Dayton NCI Community Oncology Research Program	-	-	-	-	3	-	-	-	-	-
Fred Hutchinson Cancer Research Center LAPS	-	-	-	-	4	-	-	1	-	-
Gulf South Minority Underserved NCORP	-	-	-	3	-	-	-	-	-	-
Hawaii Minority Underserved NCORP	-	-	-	-	-	-	-	-	-	-
Heartland Cancer Research NCORP	1	1	-	3	-	-	-	-	-	-
Henry Ford Hospital	-	1	-	-	-	-	-	-	-	-
Houston Methodist Hospital	-	-	-	-	-	-	-	-	-	-
Kaiser Permanente NCI Comm Oncology Research Program	-	-	-	3	17	-	-	-	-	-
Loma Linda University Medical Center	-	-	-	-	-	-	-	-	-	-
Medical U of South Carolina Minority Underserved NCORP	-	-	1	-	-	-	-	-	-	-
Michigan Cancer Research Consortium NCORP	1	2	-	1	-	-	-	-	-	-
Moffitt Cancer Center	-	-	1	-	-	4	-	-	-	-
Montana Cancer Consortium NCORP	-	-	-	1	-	-	-	-	-	-
Northwell Health NCORP	-	-	-	-	-	-	9	1	-	-
Northwestern University LAPS	1	-	-	-	1	-	8	1	-	-
Ohio State U Comprehensive Cancer Center LAPS	-	-	1	-	-	-	-	-	-	-
Oregon Health and Science University	-	-	1	-	-	-	-	-	-	-
Pacific Cancer Research Consortium NCORP	-	1	2	2	-	-	-	-	-	-
STCC at DHR Health Institute for Research & Development	-	-	-	-	-	-	-	-	-	-



	51922	52001	52104	52107	A021502	A021602	A021703	A021806	A022001	A022102
Southeast Clinical Oncology Research Consortium NCORP	-	2	4	2	-	-	-	-	-	-
Sutter Cancer Research Consortium	-	-	-	-	3	-	-	-	-	-
The Don and Sybil Harrington Cancer Center	-	-	-	-	-	-	-	2	-	-
The West Clinic - Wolf River	-	-	-	-	-	-	-	-	-	-
UC Davis Comprehensive Cancer Center LAPS	-	-	-	-	4	-	-	-	-	-
UC Irvine Health/Chao Family Comprehensive Cancer Center	-	2	-	-	-	-	-	-	-	-
USC Norris Comprehensive Cancer Center LAPS	-	-	-	-	2	-	1	-	-	-
U of Alabama at Birm/Deep South Res Consort LAPS	-	-	-	-	-	-	-	-	-	1
University of Arkansas for Medical Sciences	-	-	-	-	-	-	-	-	-	-
University of Cincinnati Cancer Center-UC Medical Center	-	-	-	-	-	-	3	-	-	-
University of Colorado Cancer Center LAPS	-	2	-	3	6	-	1	-	-	-
University of Kansas Cancer Center - MCA Rural MU NCORP	-	-	-	-	3	-	1	-	-	2
University of Kentucky/Markey Cancer Center	-	-	3	-	-	-	-	-	-	-
University of Michigan Comprehensive Cancer Center LAPS	3	2	1	-	-	4	-	4	-	-
University of Rochester LAPS	1	-	-	-	2	8	-	9	-	-
University of Texas Health Science Center at San Antonio	-	-	-	-	-	-	-	3	-	-
University of Texas MD Anderson Cancer Center LAPS	9	-	-	7	-	-	-	-	-	-
University of Utah - Huntsman Cancer Institute LAPS	-	1	3	-	-	-	-	-	1	-
Vanderbilt University - Ingram Cancer Center LAPS	-	4	-	-	-	-	-	-	-	-
Virginia Mason Medical Center	-	-	-	-	4	2	-	-	-	-
Wayne State University - Karmanos Cancer Institute LAPS	-	1	-	-	2	-	-	-	-	-
William Beaumont Hospital-Royal Oak	-	-	-	-	1	-	-	-	-	-
Wisconsin NCI Community Oncology Research Program	-	-	1	1	-	-	-	-	-	-
Yale University - Yale Cancer Center LAPS	-	-	-	-	4	-	8	2	-	-
ALLIANCE	9	5	1	6	-	-	-	-	-	-
ECOG-ACRIN	1	9	4	6	-	-	-	-	-	-
NRG	3	4	6	7	-	-	-	-	-	-
Total	30	45	33	48	68	25	32	27	1	5



	A022104	EA2174	EA2176	EA2182	EA2186	EA2187	EA2192	EA2197	NRGGI004	NRGG1005	NRGG1008
Ascension Providence Hospitals - Southfield	-	-	1	2	2	-	-	-	-	5	1
Banner University Medical Center - Tucson	-	-	-	-	-	-	-	-	-	-	-
Baptist Mem Health Care/Mid South MU-NCORP	-	-	-	-	-	-	-	-	-	3	1
Baylor College of Medicine/Duncan CCC	1	-	-	-	-	-	-	-	-	-	-
Boston Medical Center	2	2	-	2	-	-	-	-	-	-	-
CWRU Case Comprehensive Cancer Center LAPS	-	2	-	3	1	3	-	-	-	-	-
Cancer Research Consortium of West Michigan NCORP	-	-	-	-	-	-	-	-	-	-	-
Carle Cancer Center NCORP	-	-	-	-	-	-	-	-	-	-	-
City of Hope Comprehensive Cancer Center	-	-	-	-	3	-	-	-	-	-	-
Columbia University Minority Underserved NCORP	-	-	-	-	-	-	-	-	-	-	-
Dayton NCI Community Oncology Research Program	-	-	-	-	1	-	-	-	-	1	-
Fred Hutchinson Cancer Research Center LAPS	1	-	-	-	1	-	-	-	-	-	-
Gulf South Minority Underserved NCORP	-	-	-	-	-	-	-	-	-	-	-
Hawaii Minority Underserved NCORP	-	-	-	-	2	-	-	-	-	-	-
Heartland Cancer Research NCORP	-	-	-	-	-	-	-	-	-	-	-
Henry Ford Hospital	-	-	-	-	-	-	-	-	-	1	-
Houston Methodist Hospital	-	-	-	-	-	-	-	-	1	-	-
Kaiser Permanente NCI Comm Oncology Research Program	-	-	5	-	-	-	-	-	-	11	-
Loma Linda University Medical Center	-	-	-	-	-	-	-	-	-	-	1
Medical U of South Carolina Minority Underserved NCORP	-	-	-	-	-	-	-	-	-	-	-
Michigan Cancer Research Consortium NCORP	-	-	-	-	-	-	-	-	-	1	-
Moffitt Cancer Center	-	-	-	-	-	-	-	-	-	-	-
Montana Cancer Consortium NCORP	-	-	-	-	-	-	-	-	-	-	-
Northwell Health NCORP	-	1	-	-	2	-	-	-	-	1	1
Northwestern University LAPS	-	-	1	-	1	-	-	-	-	-	-
Ohio State U Comprehensive Cancer Center LAPS	-	-	-	-	-	-	-	-	-	-	-
Oregon Health and Science University	-	-	2	1	-	-	2	3	-	1	-
Pacific Cancer Research Consortium NCORP	-	-	-	-	-	-	-	-	-	-	-
STCC at DHR Health Institute for Research & Development	-	-	-	-	-	-	-	-	-	1	-



	A022104	EA2174	EA2176	EA2182	EA2186	EA2187	EA2192	EA2197	NRGG1004	NRGGI005	NRGGI008
Southeast Clinical Oncology Research Consortium NCORP	-	-	-	-	-	-	-	-	-	-	-
Sutter Cancer Research Consortium	-	-	-	-	-	1	-	-	-	-	-
The Don and Sybil Harrington Cancer Center	1	-	-	-	-	-	-	-	-	-	-
The West Clinic - Wolf River	5	-	-	-	-	-	-	-	-	-	1
UC Davis Comprehensive Cancer Center LAPS	1	-	-	-	-	-	-	1	-	1	-
UC Irvine Health/Chao Family Comprehensive Cancer Center	1	-	3	1	2	-	-	-	-	1	-
USC Norris Comprehensive Cancer Center LAPS	1	1	1	-	-	-	-	-	-	-	-
U of Alabama at Birm/Deep South Res Consort LAPS	-	-	-	-	-	-	-	-	-	-	-
University of Arkansas for Medical Sciences	-	-	2	-	-	-	-	-	-	-	-
University of Cincinnati Cancer Center-UC Medical Center	-	-	1	1	-	-	-	-	-	-	-
University of Colorado Cancer Center LAPS	-	-	-	2	1	-	-	-	-	-	4
University of Kansas Cancer Center - MCA Rural MU NCORP	-	-	-	-	-	1	-	-	-	2	-
University of Kentucky/Markey Cancer Center	-	-	-	-	-	-	-	-	-	-	-
University of Michigan Comprehensive Cancer Center LAPS	-	-	-	-	-	-	-	-	-	-	-
University of Rochester LAPS	6	-	-	-	7	2	-	-	1	-	2
University of Texas Health Science Center at San Antonio	3	-	-	-	3	-	-	-	-	-	-
University of Texas MD Anderson Cancer Center LAPS	-	-	8	-	-	-	-	-	13	1	-
University of Utah - Huntsman Cancer Institute LAPS	-	-	-	-	-	-	-	-	-	-	-
Vanderbilt University - Ingram Cancer Center LAPS	5	-	-	-	-	-	-	-	-	1	2
Virginia Mason Medical Center	2	-	-	-	-	-	-	1	-	-	-
Wayne State University - Karmanos Cancer Institute LAPS	-	-	-	1	-	-	-	-	-	-	-
William Beaumont Hospital-Royal Oak	-	-	-	-	-	-	-	-	-	-	-
Wisconsin NCI Community Oncology Research Program	-	-	-	-	-	-	-	-	-	-	-
Yale University - Yale Cancer Center LAPS	-	-	-	-	-	-	-	-	-	4	-
ALLIANCE	-	-	-	-	-	-	-	-	-	-	-
ECOG-ACRIN	-	-	-	-	-	-	-	-	-	-	-
NRG	-	-	-	-	-	-	-	-	-	-	-
Total	29	6	24	13	26	7	2	5	15	35	13





