

## Supplementary Appendix

This appendix has been provided by the authors to give readers additional information about their work.

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# Supplemental Appendices

|    |   |    |
|----|---|----|
| 1  | ISCHEMIA-CKD STUDY LEADERSHIP AND PERSONNEL.....  | 2  |
| 2  | COLLABORATORS .....   | 11 |
| 3  | SUPPLEMENTAL FIGURE 1: CONSORT DIAGRAM OF PATIENT FLOW .....  | 32 |
| 4  | SUPPLEMENTAL FIGURE 2 – POSTERIOR DISTRIBUTIONS OF TREATMENT EFFECT ON SEATTLE ANGINA QUESTIONNAIRE SUMMARY SCORES FOR A TYPICAL PATIENT .....  | 33 |
| 5  | SUPPLEMENTAL FIGURE 3: POSTERIOR DISTRIBUTION OF ORS FOR MAIN AND CKD TRIALS: WE PLOTTED EACH RANDOMLY SAMPLED PAIR (N=20,000) OF THE POSTERIOR DISTRIBUTIONS OF ORS FOR A TREATMENT BENEFIT FROM ISCHEMIA-CKD (Y-AXIS) AND ISCHEMIA (X-AXIS). THE NARROW DISTRIBUTIONS IN ISCHEMIA REFLECT THE LARGER SAMPLE SIZE. THE PROPORTIONS OF PAIRS BELOW THE LINE OF UNITY REFLECT THE CONFIDENCE OF A LARGER TREATMENT BENEFIT IN THE ISCHEMIA COMPARED WITH ISCHEMIA-CKD..... | 34 |
| 6  | SUPPLEMENTAL TABLE 1: CLINICAL DIFFERENCES BETWEEN PARTICIPANTS (N=705) AND THOSE EXCLUDED FOR MISSING EITHER A BASELINE OR ALL FOLLOW-UP HEALTH STATUS ASSESSMENTS (N=30).....   | 35 |
| 7  | SUPPLEMENTAL TABLE 2. BRIEF SYMPTOM QUESTIONNAIRE COMPLETION RATES AND REASONS FOR MISSINGNESS.....   | 37 |
| 8  | SUPPLEMENTAL TABLE 3: ODDS RATIOS (95% CREDIBLE INTERVALS) FOR BETTER HEALTH STATUS OVER TIME* .....  | 38 |
| 9  | SUPPLEMENTAL TABLE 4. TIME-AVERAGED AREA UNDER THE CURVE THROUGH 48 MONTHS (POSTERIOR MEAN AND 95% CREDIBLE INTERVALS).....   | 39 |
| 10 | SUPPLEMENTAL TABLE 5: COMPARISON OF ODDS RATIOS FOR HIGHER SAQ SUMMARY SCORES IN MODELS IGNORING DEATH AND IN JOINT MODELS OF SURVIVAL AND HEALTH STATUS* .....   | 40 |
| 11 | SUPPL TABLE 6: POSTERIOR PROBABILITIES OF TREATMENT EFFECT COMPARED TO MAIN TRIAL .....   | 41 |
| 12 | SUPPLEMENT 7: THE 7-ITEM SEATTLE ANGINA QUESTIONNAIRE.....  | 42 |

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| Sebastian Sobczak, MD                   |                     |
| Tomasz Ciurus, MD                       |                     |
| Piotr Jakubowski, MD                    |                     |
| Magdalena Misztal-Teodorczyk, MD        |                     |
| Dawid Teodorczyk, MD                    |                     |
| Aleksandra Fraczak, MD                  |                     |
| Marcin Szkopiak, MD                     |                     |
| Patrycja Lebioda, MD                    |                     |
| Michal Wlodarczyk, MD                   |                     |
| Anna Plachcinska, MD                    |                     |
| Jacek Kusmierek, MD                     |                     |
| Magdalena Miller, MD                    |                     |
| Halina Marciniak, MD                    |                     |
| Karolina Wojtczak-Soska, MD             |                     |
| Katarzyna Łuczak, MD                    |                     |
| Tomasz Tarchalski, MD                   |                     |
| Anna Cichocka-Radwan, MD                |                     |

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**India (92)**

Lead Country Cardiology  
Balram Bhargava, DM  
Lead Country Nephrologist  
Sandeep Mahajan, MD

|  |   |           |                                    |
|--|---|-----------|------------------------------------|
| Sajeev Chakanalil Govindan, MD, DNB, DM, PhD | Anjali Anand, MSc                                     | Calicut   | Government Medical College (23)    |
| Rajesh Gopalan Nair, MD, DNB, DM             | Janitha Raj, B.Tech                                   |           |                                    |
| Melemadathil Srilatha, MD, DM (N)            | Reshma Ravindran, MSc<br>Rajalekshmi VS, MSc, MScCRRA |           |                                    |
| Atul Mathur, MD                              | Ajit Singh Narula, MD                                 |           | Fortis Escort Heart Institute (13) |
| Upendra Kaul, MD                             | Vijay Kher, MD  | New Delhi |                                    |
| Sanjeev Gulati MD, DM (N)                    | Puneet Sodhi, MD                                      |           |                                    |

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| Anoop Mathew, MD<br>Eapen Punnoose, MD<br>TA Kishore, MD (N)<br>Satish Sankaranarayanan, MD (N)   | Binoy Mannekkattukudy<br>Kurian   | Kolenchery | MOSC Medical College Hospital<br>(12)                                    |
| Ranjan Kachru, MD<br>Sanjeev Gulati, MD (N)   | Abhishek Dubey,<br>PGDACR   | New Delhi  | Fortis Healthcare Fl.t Lt. Rajan<br>Dhall Hospital (11)                  |
| Balram Bhargava, DM<br>Sandeep Mahajan, MD (N)<br>G.Karthikeyan, DM<br>S.Ramakrishnan, DM<br>Sandeep Seth, DM<br>Rakesh Yadav, DM<br>Sandeep Singh, DM<br>Ambuj Roy, DM<br>Neeraj Parakh, DM<br>Sunil Kumar Verma, DM<br>Rajiv Narang, DM<br>Sundeep Mishra, DM<br>Nitish Naik, DM<br>Gautam Sharma, DM<br>Shiv Kumar Choudhary, M.Ch<br>Chetan Patel, DNB<br>Gurpreet Gulati, MD<br>Sanjeev Sharma, MD<br>V K Bahl, DM | Chandini Suvarna, BDS   | New Delhi  | All India Institute Of Medical<br>Sciences (8)                           |
| Neeraj Pandit, MD, DM<br>Ajay Sharma, MD, DM<br>Niruta Sharma MD<br>Hemant Shakhar Mahapatra MD   | Sheromani Bajaj<br>Vandana Yadav,<br>Msc, PGDACR<br>Girish Mishra, Msc,<br>PGDACR | New Delhi  | Dr Ram Manohar Lohia Hospital<br>(5)                                     |
| Cholenahally Nanjappa Manjunath,<br>MD, DM  | Nandita Nataraj,<br>BE (Biotech)<br>PGDICRCDM                                     | Bengaluru  | Sri Jayadeva Institute of<br>Cardiovascular Sciences and<br>Research (4) |

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|---|---|-----------|---|
| Nagaraja Moorthy, MD, DM                | Soundarya Nayak,<br>BE(Biotech)<br>PGDICRCMD  |           |   |
| Satvic Cholenahally Manjunath,<br>MD,DM | Mahevamma Mylarappa,<br>GNM (General Nursing) |           |   |
| Suryaprakash Narayanappa,<br>MBBS       |   |           |   |
| Umesh Lingaraj, MD (N)                  |   |           |   |
| Veerabhadra Gupta, MD (N)               |   |           |   |
| Milind Avdhoot Gadkari, MD              | Sheetal Rupesh Karwa,<br>BHMS                 | Pune      | KEM Hospital Pune (4)   |
| Siddharth Gadage, MD DNB                | Suvarna Kolhe, MSc                            |           |   |
| Tapan Umesh Pillay, BHMS MSc            |   |           |   |
| Valentine Lobo, MD (N)                  |   |           |   |
| Johann Christopher, MD, DNB             | K. Manjula Rani, MSc.                         | Hyderabad | Gurunanak CARE Hospital (3)   |
| Nirmal Kumar, MD, DM                    | M. Sowjanya Reddy,<br>BSc                     |           |   |
| Suresh Kumar, MD, DM (N)                | K. Preethi, BSc                               |           |   |
| John Jose, MD                           | Anu Tharini                                   | Vellore   | Christian Medical College (3)   |
| Vinoi George David, MD (N)              | Anandaroop Lahiri                             |           |   |
| Gurpreet S. Wander, DM                  | Baljeet Kaur, MSc<br>(Biotechnology)          | Ludhiana  | Hero DMC Heart Institute,<br>Dayanand Medical College and<br>Hospital (2) |
| Rohit Tandon, MD                        | Sonika Gupta, MBA, B.<br>Pharmacy             |           |   |
| Sarju Ralhan, M.Ch (CTVS)               |   |           |   |
| Naved Aslam, DM                         |   |           |   |
| Abhishek Goyal, DM                      |   |           |   |
| Vikas Makkar, DM (N)                    |   |           |   |
| S.K. Dwivedi, DM                        | Roma Tewari, PG                               | Lucknow   | King George's Medical<br>University, Department of<br>Cardiology (2)      |
| V.S. Narain, DM                         | Meenakshi Mishra, PG                          |           |   |
| Sharad Chandra, DM                      | Shivali Patel                                 |           |   |
|   | Suman Singh, PG                               |           |   |
| Johann Christopher, MD                  | Sowjanya Reddy                                | Hyderabad | CARE Hospital (1)   |
| Praneeth Polamuri, MD                   | Manjula Rani                                  |           |   |
| Vikranth Reddy, MD, DNB (N)             |   |           |   |
| Upendra Kaul, MD                        | Priyadarshani Arambam                         | New Delhi | Batra Hospital and Medical<br>Research Centre (BHMRC) (1)                 |

Bebek Singh

**China (70)**

Lead Country Cardiologist

Lixin Jiang, MD, PhD

Lead Country Nephrologists

Xuemei Li, MD

|   |  |           |  |
|---|--|-----------|--|
| Hong Cheng, MD<br>Weijing Bian, MD<br>Guoqin Wang, MD         | Jing Dong, MD<br>Xiaoyi Xu, MD   | Beijing   | Beijing Anzhen Hospital (24)                                 |
| Jiyan Chen, MD<br>Zhiming Ye, MD (N)                          | Haojian Dong<br>Peiyu He<br>Chunli Xia<br>Junqing Yang<br>Qi Zhong                             | Guangzhou | Guangdong General Hospital (15)                              |
| Xin Fu, MD<br>Zhangsuo Liu, MD (N)                            | Dan Gao<br>Dengke Jiang<br>Ran Leng<br>Xutong Wang<br>Qianqian Yuan<br>Lili Zhang              | Zhengzhou | The First Affiliated Hospital of Zhengzhou University (13)   |
| Shuyang Zhang, MD, PhD<br>Zhenyu Liu, MD<br>Xuemei Li, MD (N) | Ying Wang, MD<br>Yechen Han, MM<br>Lihong Xu, RN<br>Zhenyu Liu<br>Gang Chen, MD<br>Rongrong Hu | Beijing   | Peking Union Medical College Hospital (11)                   |
| Yitong Ma, MD (N)<br>Yining Yang, MD                          | Dongze Li<br>Xiaomei Li<br>Xiang Ma<br>Zixiang Yu<br>Qian Zhao                                 | Urumqi    | First Affiliated Hospital of Xinjiang Medical University (7) |
| Carlo Briguori, MD  | Francesca De Micco   | Naples    | Clinica Mediterranea (52)                                    |

**Italy (62)**

Lead Country Cardiologist

Francesco Orso, MD

|  |   |        |  |
|--|---|--------|--|
| Gian Piero Perna, MD<br>Marco Marini, MD<br>Gabriele Gabrielli, MD<br>Mario D'arezzo, MD (N) | Francesca Pietrucci,<br>PhD                                       | Ancona | Cardiology and CCU - Ospedali Riuniti Ancona (7)   |
| Marco Sicuro, MD<br>Valentina Pellu, MD (N)  | Gianpiero Leone, MD<br>Francesco Pisano, MD<br>Cristina Bare, BSc | Aosta  | Ospedale Regionale Umberto Parini (1)  |
| Paolo Calabro, MD<br>Tiziana Formisano, MD<br>Piero Tassinario, MD (N)                       | Fabio Fimiani   | Napoli | AORN Dei Colli "V. Monaldi"<br>UOC Cardiologia Università della Campania "L. Vanvitelli" (1) |
| Marcello Galvani, MD<br>Filippo Ottani, MD<br>Marco De Fabritis, MD (N)                      | Chiara Attanasio  | Forli  | Ospedale "G.B. Morgagni – L. Pierantoni" Forli (AUSL della Romagna) (1)                      |

### Mexico (30)

Lead Country Cardiologist  
Jorge Escobedo, MD  
Lead Country Nephrologist  
Magdalena Madero, MD

|  |                             |                 |  |
|--|-----------------------------|-----------------|--|
| Juan Manuel López Quijano, MD, MSc<br>Alejandro Chevaile Ramos, MD (N)<br>Jorge Carrillo Calvillo, MD  | Teresa Delgadillo           | San Luis Potosi | Hospital Central Dr. Ignacio Morones Prieto (16) |
| Jorge Escobedo, MD<br>Rubén Baleón-Espinosa, MD<br>Arturo S Campos-Santaolalla, MD<br>Elihú Durán-Cortés, MD<br>José M Flores-Palacios, MD<br>Andrés García-Rincón, MD<br>Moisés Jiménez-Santos, MD<br>Joaquín V Peñafiel, MD<br>José A Ortega-Ramírez, MD | Ramon de Jesús-Pérez,<br>RN | Benito Juarez   | Instituto Mexicano del Seguro Social (10)        |

Aquiles Valdespino-Estrada, MD

|                                   |                    |             |   |
|-----------------------------------|--------------------|-------------|---|
| Erick Alexánderson Rosas, MD      | María Pérez García | Mexico City | Instituto Nacional de Cardiología<br>"Ignacio Chávez" (2) |
| <u>Magdalena Madero, DM (N)</u>   |                    |             |   |
| Guillermo Garcia-Garcia (N)       | Lorena Lopez, BS   | Guadalajara | Hospital Civil de Guadalajara<br>Fray Antonio Alcalde (2) |
| <u>Jonathan S. Chavez-Iñiguez</u> |                    |             |   |

**Canada (24)**

Lead Country Cardiologists  
Akshay Bagai, MD, MHS  
Kevin R. Bainey, MD, MSc  
Lead Country Nephrologist  
Ron Wald, MDCM, MPH

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|---|---|-----------------------|--|
| Kevin R. Bainey, MD, MSc<br>Neesh Pannu, MD (N)   | Norma Hogg, RN<br>Suzanne Welsh, RN   | Edmonton, AB          | University of Alberta (15)                           |
| <u>Asim N. Cheema, MD, PhD</u>  |   |                       |  |
| Akshay Bagai, MD, MHS<br>Ron Wald, MDCM, MPH (N)<br>Shaun Goodman, MD, MSc<br>John Joseph Graham, MRCP, MB<br>ChB, BSc<br>Mark Peterson, MD, FRCSC, PhD<br>Chi-Ming Chow, MD, CM, MSc<br>Beth Abramson, MD, MSc | Khrystyna Kushniriuk,<br>HBSc, MD<br>Mohammed Hussain<br>Olugbenga Bello          | Toronto, ON           | St. Michael's Hospital (3)                           |
| <u>Graham Wong, MD</u>  |   |                       |  |
| Kenneth Gin, MD<br>Christopher Fordyce, MD  | Jackie Chow, BSN<br>Andrew Starovoytov, MD<br>Naomi Uchida, BSN<br>Ngairé Meadows | Vancouver, BC         | Vancouver General Hospital (2)                       |
| <u>Ariel Diaz, MD</u>   |   |                       |  |
| Philippe Rheault, MD<br>Alejandro Gisbert, MD<br>Alain Raymond, MD<br>Yanek Pépin-Dubois, MD<br>Miguel Barrero, MD<br>Carl-Éric Gagné, MD<br>Mark Garand, MD<br>Ricardo Costa, MD<br>Catherine Lemay, MD        | Isabelle Roy, RN<br>Patricia Alarie, RN<br>Linda Arcand, RN<br>Estelle Montpetit  | Trois-Rivieres,<br>QC | Centre Hospitalier de Regional<br>Trois-Rivieres (1) |

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| Ying Tung Sia, MD<br>Pierre Gervais, MD<br>Alain Rheault, MD  |  |              |  |
| Pallav Garg, MBBS, MSc<br>Matthew Weir, MD (N)  | Sandy Carr, RN<br>Catherine Bone, RN                           | London, ON   | London Health Sciences Centre (1)  |
| Amar Uxa, MD<br>Michael Farkouh, MD<br>Christopher Chan, MD (N)   | Nadia Asif<br>Suzana Tavares                                   | Toronto, ON  | University Health Network (1)  |
| Philippe Généreux, MD<br><br>Jean Diodati, MD<br>François Madore, MD (N)  | Chantale Mercure, RN   | Montréal, QC | Centre Intégré Universitaire De Santé et de Services Sociaux du Nord de l'île de Montréal /Hôpital du Scaré-Cœur de Montréal (1) |
| Kian-Keong Poh, MD<br>Ping Chai, MD<br>Titus Lau, MD (N)<br>Joshua P. Loh, MD<br>Edgar L. Tay, MD<br>Kristine Teoh, MD<br>Lynette L. Teo, MD<br>Ching-Ching Ong, MD<br>Raymond C. Wong, MD<br>Poay-Huan Loh, MD<br>Theodoros Kofidis, MD<br>Wan Xian Chan, MD<br>Koo Hui Chan, MD | Sik-Yin V Tan, BSc<br>Winnie C Sia, BSc<br>Audrey W Leong, BSc | Singapore    | National University Heart Center Singapore (11)  |
| David Foo, MBBS<br>Jason Loh Kwok Kong, MD<br>Ching Min Er, MD<br>Fahim Haider Jafary, MD<br>Tracy Tan, MD (N)  | Li Hai Yan, RN   | Singapore    | Tan Tock Seng Hospital (2)   |

**Singapore (14)**

Lead Country Cardiologist  
Kian-Keong Poh, MD  
Lead Country Nephrologist  
Titus Lau, MD



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|-------------------|--|-----------|--|
| Terrance Chua, MD | Nasrul Ismail<br>Min Tun Kyaw<br>Deborah Yip | Singapore | National Heart Centre Singapore<br>(1) |
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**Brazil (13)**

Lead Country Cardiologist

Renato D. Lopes, MD, PhD

Lead Country Nephrologists

Maria Eugenia Canziani, MD (Lead)

Sergio Draibe, MD (Co-Lead)

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| Whady Hueb, MD<br>Eduardo Gomes Lima, MD<br>Paulo Cury Rezende, MD<br>Expedito Eustáquio Ribeiro Silva,<br>MD<br>Alexandre Ciappina Hueb, MD | Myrthes Emy Takiuti, RN | Sao Paulo | Heart Institute (InCor) University<br>of São Paulo (6) |
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| Marianna D. A. Dracoulakis, MD,<br>PhD<br>Rodolfo G. S. D Lima, MD<br>Paulo Novis Rocha, MD (N) | Natalia S Oliveira, RN | Salvador | Hospital da Bahia (5) |
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| Alexandre Schaan de Quadros,<br>MD<br>Renato Abdala Karam Kalil, MD<br>José Luiz da Costa Vieira, MD<br>Gabriel Grossmann, MD<br>Pedro Píccaro de Oliveira, MD<br>Leonardo Bridi, MD<br>Simone Savaris, MD<br>Renato George Eick, MD (N) | Aline Peixoto Deiro<br>Alice Manica Muller<br>Maria Antonieta Pereira<br>de Moraes<br>Bruna Maria Ascoli<br>Sílvia Zottis Poletti | Porto Alegre | Instituto de Cardiologia de Porto<br>Alegre (1) |
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| Paola Emanuela Poggio Smanio,<br>MD, PhD<br>Leda Lotaif, MD, PhD (N) | Leonardo Pizzol<br>Caetano, PhD | São Paulo | Instituto Dante Pazzanese de<br>Cardiologia (1) |
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**Hungary (12)**

Lead Country Cardiologist

Andras Vertes, MD

Lead Country Nephrologist

Peter Voros, MD

|   |   |          |   |
|---|---|----------|---|
| Andras Vertes, MD<br>Peter Voros, MD (N)              | Judit Sebo, MD<br>Zoltan Davidovits, MD<br>Laszlong Matics    | Budapest | Eszszk- Szent Istvan Hospital<br>(10)                   |
| Bela Merkely, MD, PhD, DSc<br>Mihaly Tapolyai, MD (N) | Andrea Bartykowszki, MD<br>Pal Maurovich-Horvat, MD, PhD, MPH | Budapest | Heart and Vascular Center,<br>Semmelweis University (1) |
| Albert Varga, MD, PhD<br>Timea Boros, MD (N)          | Gergely Agoston, MD   | Szeged   | University of Szeged (1)                                |

**Lithuania (12)**

Lead Country Cardiologist  
Jelena Celutkiene, MD  
Lead Country Nephrologist  
Marius Miglinas, MD, PhD

|   |  |         |  |
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| Aleksandras Laucevicius, MD<br>Jelena Celutkiene, MD<br>Marius Miglinas, MD (N) | Agne Juceviciene, MD<br>Irma Kalibataite-<br>Rutkauskiene, MD<br>Laura Keinaite<br>Monika Laukyte<br>Gelmina Mikolaitiene<br>Akvile Smigelskaite, MD<br>Ilona Tamasauskiene,<br>MD<br>Agne Urboniene, MD | Vilnius | Vilnius University Hospital<br>Santariskes Clinic (12) |
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**Portugal (10)**

Lead Country Cardiologist  
Ruben Ramos, MD  
Lead Country Nephrologist  
Fernando Nolasco, PhD

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|---|---|--------|--|
| Ruben Ramos, MD<br>Duarte Cabela, MD<br>Ana Santana, MD<br>Antonio Fiarresga, MD<br>Lidia Sousa, MD<br>Hugo Marques, MD<br>Lino Patricio, MD<br>Luis Bernarndes, MD | Mafalda Selas<br>Filipa Silva<br>Cláudia Freixo | Lisbon | Hospital de Santa Marta /<br>Hospital Curry Cabral (8) |
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Pedro Rio, MD  
 Ramiro Carvalho, MD  
 Rui Ferreira, MD  
 Tiago Silva, MD  
 Ines Rodrigues, MD  
 Pedro Modas, MD  
 Guilherme Portugal, MD  
 Jose Fragata, MD  
 Marina Vieira, MD  
 Fernando Nolasco, PhD (N)  
 Marina Vieira., MD  
 Fernando Caeiro, MD

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| Pedro Farto e Abreu, MD<br>Sérgio Bravo Baptista, MD, PhD<br>Miguel Borges Santos, MD<br>Patricia Carrilho, MD (N) | Maura Carina Nédio,<br>BSc | Amadora | Hospital Professor Doutor<br>Fernando Fonseca, EPE (1) |
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| Fausto J. Pinto, PhD<br>Miguel Nobre Menezes, MD<br>Guilhermina Cantinho Lopes, MD<br>Ana Gomes Almeida, PhD<br>Pedro Canas Silva, MD<br>Angelo Nobre, MD<br>Ana Rita Francisco, MD<br>Jose Lopes, MD (N) | Inês Zimbarra Cabrita,<br>PhD<br>Andreia Rocha, MSc<br>Francisca Patuleia<br>Figueiras, PhD<br>Andreia Coelho, BSc<br>Marta Capinha<br>Maria Inês Caetano<br>Susana Silva | Lisbon | Santa Maria University Hospital,<br>Cardiology Department, CHLN<br>(1) |
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**Spain (9)**

Lead Country Cardiologist  
 Almudena Castro, MD  
 Lead Country Nephrologist  
 Rafael Selgas, MD

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| Jose Lopez-Sendon, MD, PhD<br>Almudena Castro, MD<br>Elena Refoyo Salicio, MD<br>Gabriela Guzman, MD<br>Gabriel Galeote, MD<br>Silvia Valbuena, MD | Virginia Fernández-<br>Figares, Pharm | Madrid | Hospital La Paz. IdiPaz (6) |
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Rafael Selgas, MD (N)

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| Jesús Peteiro, MD, PhD          | Moisés Blanco-Calvo, PhD        | A Coruna | Complejo Hospitalario Universitario A Coruña (CHUAC) Sergas, Department of Cardiology. INIBIC A Coruña. CIBER-CV. Universidad de A Coruña, Spain (2) |
| María Dolores Martínez-Ruíz, MD | Encarnación Alonso-Álvarez, BSc |          |  |
| Ruth Pérez-Fernández, MD        | Paula García-González, BSc      |          |  |
| José J Cuenca-Castillo, MD      |                                 |          |  |
| Xacobe Flores-Ríos, MD          |                                 |          |  |
| Óscar Prada-Delgado, MD         |                                 |          |  |
| Gonzalo Barge-Caballero, MD     |                                 |          |  |
| Miguel Perez Fontan, MD (N)     |                                 |          |  |

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| Vicente Miro, MD              | Begoña Igual, MD | Valencia | Hospital Universitario y Politecnico La Fe (1) |
| Jose L Diez, MD               |                  |          |  |
| Pilar Calvillo, MD            |                  |          |  |
| Julio Hernandez Jaras, MD (N) |                  |          |  |

**Argentina (6)**

Lead Country Cardiologist  
Luis Guzman, MD  
Lead Country Nephrologist  
Rafael Maldonado, MD

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| Mariano Rubio, MD        | Graciela Scaro, MD | Cordoba | Clínica Privada Vélez Sarsfield (5) |
| Rafael Maldonado, MD (N) |                    |         |                                     |

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| Julio César Figal, MD     | Matías Nicolás Mungo | Ciudad Autónoma de Buenos Aires | Fundación Favaloro (1) |
| Oscar Méndiz, MD          |                      |                                 |                        |
| Claudia Cortés, MD        |                      |                                 |                        |
| Roberto René Favaloro, MD |                      |                                 |                        |
| Pablo Raffaele, MD (N)    |                      |                                 |                        |

**France (6)**

Lead Country Cardiologist  
Emmanuel Sorbets, MD, PhD  
Lead Country Nephrologist

Eric Daugas, MD, PhD

|   |  |       |                     |
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| Philippe Gabriel Steg, MD<br>Jean-Michel Juliard, MD<br>Eric Daugas, MD, PhD (N)<br>Emmanuel Sorbets, MD, PhD | Helene Abergel, MSc<br>Axelle Fuentes, MSc | Paris | Bichat Hospital (4) |
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| Christophe Thuaire, MD<br>Téodora Dutoiu, MD<br>Catherine Albert, MD (N)<br>Bougrida Hammouche, MD (N) | Corine Thobois, RN<br>Emilie Tachot, RN<br>Christophe Laure, RN<br>Christel Vassaliere, RN | Chartres | C.H. Louis Pasteur (2) |
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**New Zealand (6)**

Lead Country Cardiologist  
Gerard Patrick Devlin, MD  
Lead Country Nephrologist  
Peter Sizeland, MD

|  |   |          |                      |
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| Gerard Patrick Devlin, MD<br>Raewyn Fisher, MD<br>Peter Sizeland, MD (N) | Liz Low, RN<br>Jayne Scales, RN<br>Kirsty Abercrombie, RN | Hamilton | Waikato Hospital (6) |
|--|---|----------|----------------------|

**United Kingdom (5)**

Lead Country Nephrologist  
David Wheeler, MD

|   |  |        |   |
|---|--|--------|---|
| Roxy Senior, MBBS, MD, DM<br>Ahmed Elghamaz, MB BCh<br>Sothinathan Gurunathan, MBChB<br>Nikolaos Karogiannis, MBBS<br>Benoy N Shah, MD, MBBS, BSc (Hons)<br>Richard HJ Trimlett, MBBS, CCST<br>Michael B Rubens, LRCP, MRCS, MBBS, DMRD<br>Edward D Nicol, MD, BMedSci, MBBS, DTM&H<br>Tarun K Mittal, MD<br>Neill Duncan, MD (N) | Grace M. Young, MSc, BSc (Hons)<br>Christopher Kinsey<br>Raisa Kavalakkat, MSc, BSc, RN<br>Jo Evans, RN<br>Ikraam Hassan, RN<br>Emma Howard, MSc, BSc<br>Ann Banfield, BSc, RN<br>Reinette Hampson, BSc (Hons), BA (Hons)<br>Rory Collins, BSc<br>Anastasia Vamvakidou, MBBS, MRCP | Harrow | Northwick Park Hospital Harrow/<br>Royal Brompton Hospital London (2) |
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| Reto Andreas Gamma, MBBS<br>Sumith Abeygunasekara, MD (N)                | Sarah Williams, RN<br>Kim Holland, RN<br>Karen Swan, RN                     | Chelmsford | Broomfield Hospital (1)                       |
| Khaled Alfakih, MBBS, MD<br>Jonathan Byrne, PhD<br>Ian Webb, PhD, MA (N) | Abigail Knighton, BSc.,<br>PG Dip.<br>Katherine Martin, RGN,<br>Dip. N, MSc | London     | King's College NHS Foundation<br>Hospital (1) |
| Dwayne S. G. Conway, MD  | Judith Wright<br>Donna Exley  | Wakefield  | Pinderfields Hospital (1)                     |

#### **Serbia (5)**

Lead Country Cardiologist  
Branko D. Beleslin, MD, PhD  
Lead Country Cardiologist  
Sanja Simic Ogrizovic, MD

|  |                                     |          |   |
|--|-------------------------------------|----------|---|
| Branko D. Beleslin, MD, PhD  |                                     | Belgrade | Faculty of Medicine, University of<br>Belgrade; Cardiology Clinic,<br>Clinical Center of Serbia (5) |
| Nikola N. Boskovic, MD   | Ana D. Djordjevic-Dikic,<br>MD, PhD |          |   |
| Marija T. Petrovic, MD   | Vojislav L. Giga, MD,<br>PhD        |          |   |
| Milan R. Dobric, MD  | Jelena J. Stepanovic,<br>MD, PhD    |          |   |
| Zeljko Z. Markovic, MD, PhD<br>Ana S. Mladenovic, MD, PhD<br>Sanja Ogrizovic, MD (N) |                                     |          |   |

#### **Australia (4)**

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Lead Country Cardiologist  
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FRACP

|  |   |                                   |           |   |
|--|---|-----------------------------------|-----------|---|
| <b>Austria (4)</b><br>Lead Country Cardiologist<br>Herwig Schuchlenz       | Joseph B. Selvanayagam, MBBS(Hons), DPhil<br>Majo X. Joseph, MBBS<br>Jonathan M Gleadle, BM Dphil (N)                 | Sau Lee, PhD<br>Prince Thomas, RN | Adelaide  | Flinders Medical Centre and College of Medicine and Public Health (4) |
|  | Herwig Schuchlenz, MD<br>Stefan Weikl, MD   | Gudrun Steinmaurer                | Graz      | LKH Graz West Austria (3)   |
| <b>Belgium (4)</b><br>Lead Country Nephrologist<br>Kathleen Claes, MD, PhD | Irene Marthe Lang, MD   | Max-Paul Winter, MD               | Vienna    | Medical University of Vienna, Department of Cardiology (1)            |
|  | Kaatje Goetschalckx, MD<br>Frans Van de Werf, PhD, MD<br>Kathleen Claes, MD, PhD (N)                                  | Valerie Robesyn                   | Leuven    | University Hospital Leuven (3)  |
| <b>Israel (4)</b>  | Christiaan Vrints, MD<br>Bharati Shivalkar, MD<br>Amaryllis Van Craenenbroeck, MD (N)                                 | Nathalie Brosens                  | Edegem    | Universitair Ziekenhuis Antwerpen (1)                                 |
|  | Yaron Arbel, MD<br>Doron Schwartz, MD (N)<br>Orit Kliuk, MD   | Daniela Puzhevsky<br>Miri Revivo  | Tel Aviv  | Tel Aviv Sourasky Medical Center (4)                                  |
| <b>Egypt (3)</b>   | Magdy Abdelhamid, MD<br>Ahmed Kamal, MsC<br>Hossam Mahrous, MD<br>Mohamed Adel , MsC<br>Hussien El Fishawy, MD (N)    | Ahmed Talaat, MD                  | Cairo     | Cairo University (3)  |
| <b>United Arab Emirates (2)</b>  | Wael A. Almahmeed, MD<br>Mohamed Hassan, MD (N)<br>Seema Nour, MD<br>Abdallah M. Abdallah, MD<br>Salamah Alfalahi, MD | Virendra Misra, MD                | Abu Dhabi | Sheikh Khalifa Medical City (2)                                       |

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Kerstin Bonin  
Kerstin Mikes, RN  
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Irena Peovska Mitevska, MD, PhD  
Elizabeta Srbinovska Kostovska, MD, PhD  
Hristo Pejkov, MD, PhD  
Zvezdana Petronijevic, MD (N)  
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Claes Held, MD, PhD  
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Inga Soveri, MD, PhD (N)

Christina Björklund, RN  
Maria Andreasson, RN

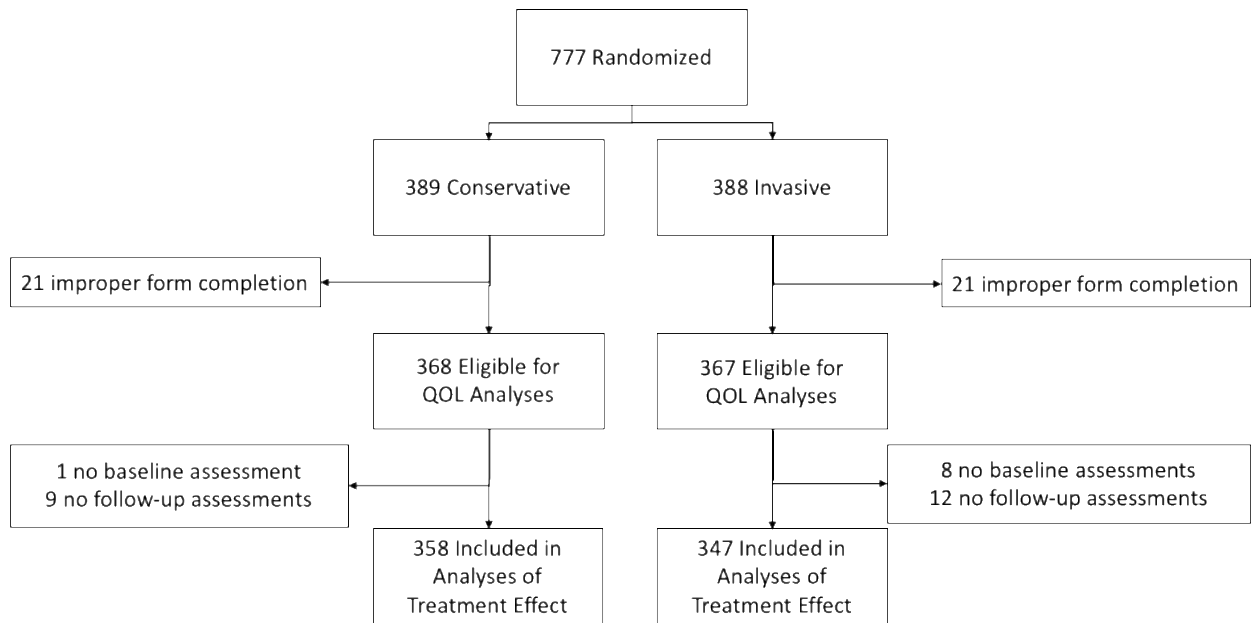
Uppsala

Uppsala University (1)

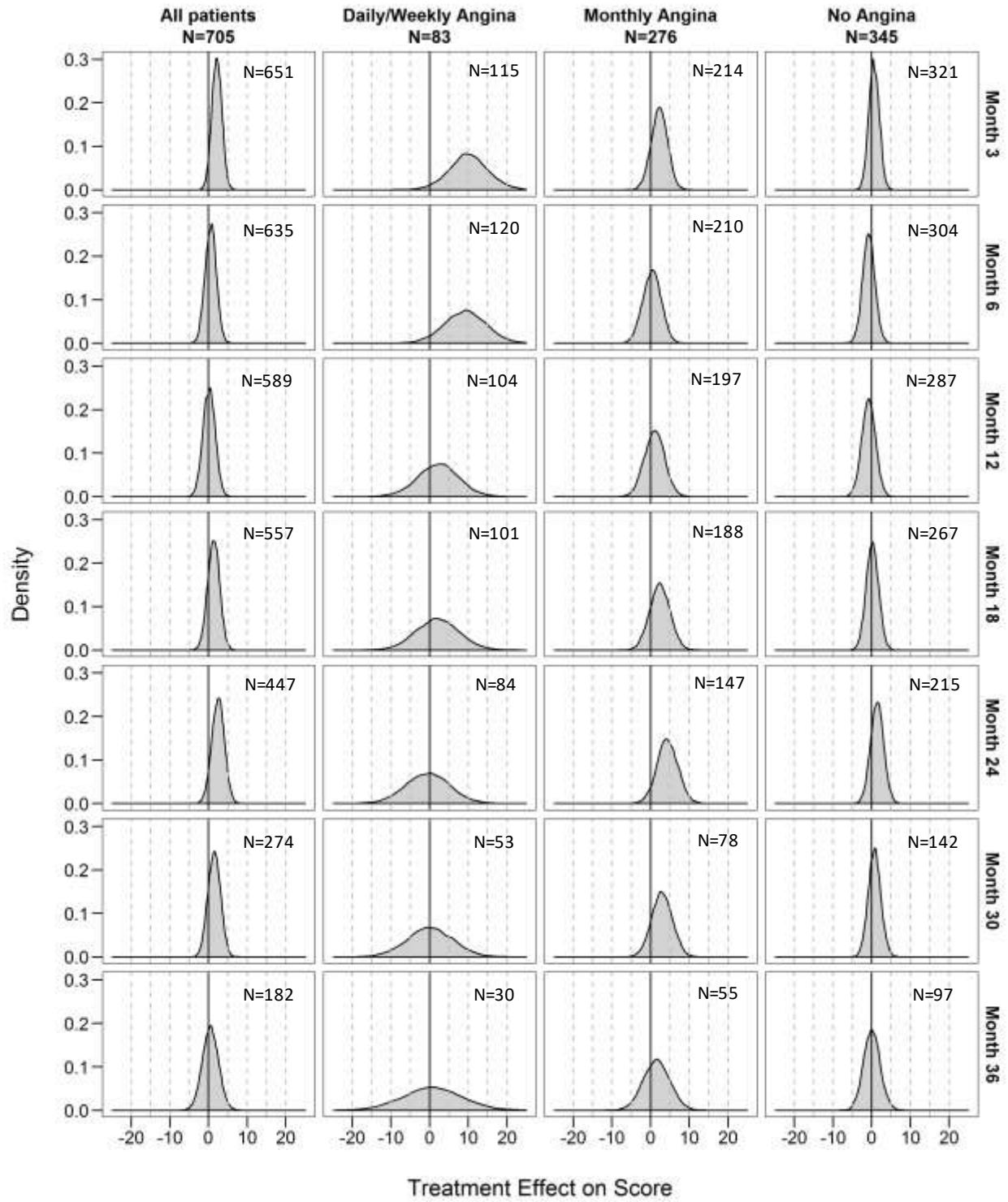
\* (N) = Nephrologist



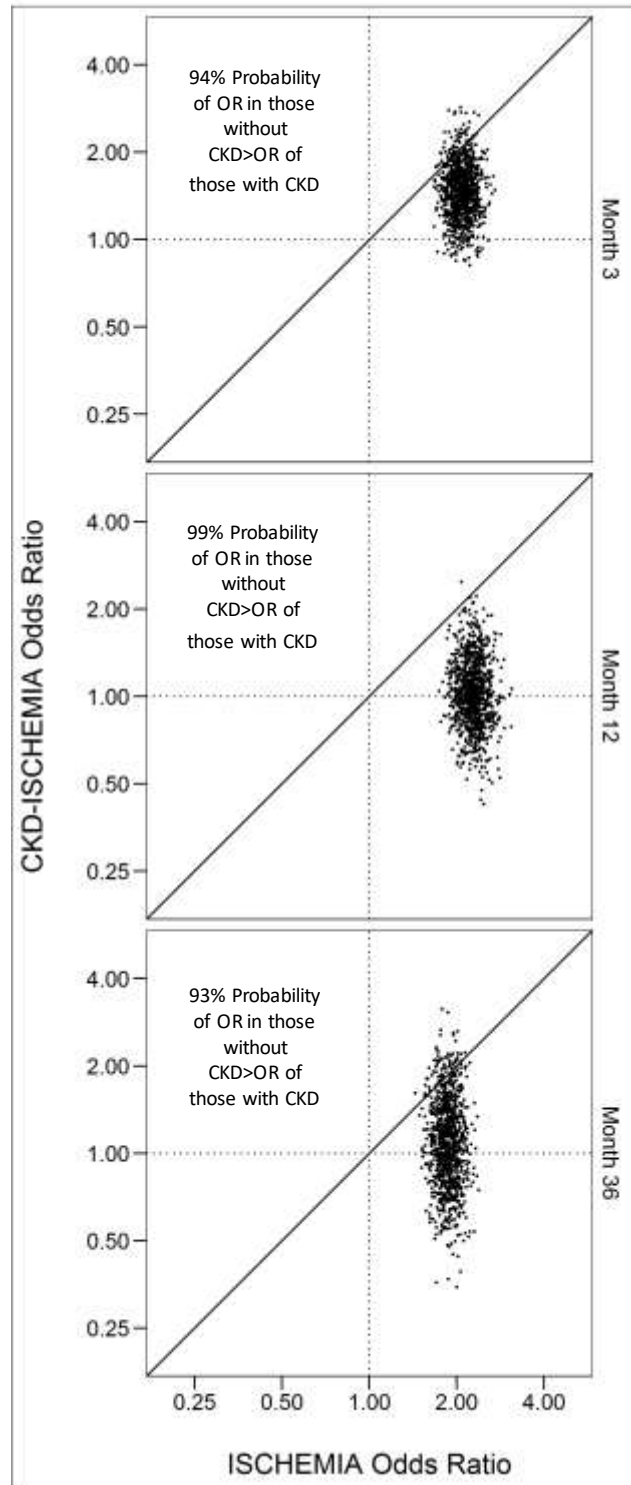
### 3 Supplemental Figure 1: Consort Diagram of Patient Flow



4 Supplemental Figure 2 – Posterior Distributions of Treatment Effect on Seattle Angina Questionnaire Summary Scores for a Typical Patient



**5 Supplemental Figure 3: Posterior Distribution of ORs for Main and CKD Trials:** We plotted each randomly sampled pair ( $n=20,000$ ) of the posterior distributions of ORs for a treatment benefit from ISCHEMIA-CKD (y-axis) and ISCHEMIA (x-axis). The narrow distributions in ISCHEMIA reflect the larger sample size. The proportions of pairs below the line of unity reflect the confidence of a larger treatment benefit in the ISCHEMIA compared with ISCHEMIA-CKD.



**6 Supplemental Table 1: Clinical Differences between Participants (n=705) and those excluded for missing either a baseline or all follow-up health status assessments (n=30)**

|   | Included<br>n = 705 | Excluded<br>n = 30 | P-Value |
|---|---------------------|--------------------|---------|
| Randomized Treatment                      |                     |                    | 0.061   |
| Invasive                                  | 347 (49.2%)         | 20 (66.7%)         |         |
| Conservative                              | 358 (50.8%)         | 10 (33.3%)         |         |
| Age at Randomization                      |                     |                    | 0.495   |
| Mean ± SD                                 | 62.7 ± 10.9         | 61.3 ± 9.8         |         |
| Sex                                       |                     |                    | 0.608   |
| Male                                      | 478 (67.8%)         | 19 (63.3%)         |         |
| Female                                    | 227 (32.2%)         | 11 (36.7%)         |         |
| Race                                      |                     |                    | 0.213   |
| American Indian or Alaska Native          | 5 (0.7%)            | 0 (0.0%)           |         |
| Asian                                     | 145 (21.4%)         | 4 (15.4%)          |         |
| Native Hawaiian or Other Pacific Islander | 6 (0.9%)            | 0 (0.0%)           |         |
| Black or African American                 | 57 (8.4%)           | 6 (23.1%)          |         |
| White                                     | 465 (68.5%)         | 16 (61.5%)         |         |
| Mulpital Races                            | 1 (0.1%)            | 0 (0.0%)           |         |
| Missing                                   | 26                  | 4                  |         |
| Ethnicity                                 |                     |                    | 0.693   |
| Hispanic or Latino                        | 91 (12.9%)          | 5 (16.7%)          |         |
| Not Hispanic or Latino                    | 575 (81.6%)         | 23 (76.7%)         |         |
| Unknown                                   | 39 (5.5%)           | 2 (6.7%)           |         |
| Hypertension                              |                     |                    | 1.000   |
| No  | 45 (6.4%)           | 1 (3.3%)           |         |
| Yes                                       | 656 (93.0%)         | 29 (96.7%)         |         |
| Unknown                                   | 4 (0.6%)            | 0 (0.0%)           |         |
| Diabetes                                  | 385 (54.6%)         | 20 (66.7%)         | 0.193   |
| Prior MI                                  |                     |                    | 0.813   |
| No  | 580 (82.3%)         | 26 (86.7%)         |         |
| Yes                                       | 124 (17.6%)         | 4 (13.3%)          |         |
| Unknown                                   | 1 (0.1%)            | 0 (0.0%)           |         |
| Baseline Smoking Status                   |                     |                    | 0.492   |
| Never Smoked                              | 334 (47.4%)         | 15 (50.0%)         |         |
| Former Smoker                             | 295 (41.8%)         | 10 (33.3%)         |         |
| Current Smoker                            | 76 (10.8%)          | 5 (16.7%)          |         |
| CCS Angina Class                          |                     |                    | 0.404   |
| None                                      | 278 (39.5%)         | 12 (40.0%)         |         |
| I   | 147 (20.9%)         | 5 (16.7%)          |         |
| II  | 251 (35.7%)         | 10 (33.3%)         |         |
| III                                       | 28 (4.0%)           | 3 (10.0%)          |         |
| Missing                                   | 1                   |                    |         |
| New Onset Angina Within 3 Months          | 111 (16.4%)         | 4 (13.8%)          | 1.000   |
| Missing                                   | 28                  | 1                  |         |
| Heart Failure                             | 372 (52.8%)         | 18 (60.0%)         | 0.436   |

|                                  | Included<br>n = 705 | Excluded<br>n = 30 | P-Value |
|----------------------------------|---------------------|--------------------|---------|
| Current NYHA Heart Failure Class |                     |                    | 0.085   |
| I                                | 130 (34.9%)         | 2 (11.1%)          |         |
| II                               | 241 (64.8%)         | 16 (88.9%)         |         |
| III                              | 1 (0.3%)            | 0 (0.0%)           |         |
| Missing                          | 333                 | 12                 |         |
| Prior Cerebrovascular Disease    | 95 (13.5%)          | 5 (16.7%)          | 0.587   |
| Missing                          | 1                   |                    |         |
| Prior Stroke                     | 64 (9.1%)           | 4 (13.3%)          | 0.512   |
| Peripheral Vascular Disease      | 48 (6.8%)           | 0 (0.0%)           | 0.251   |
| History of Depression            |                     |                    | 0.489   |
| No                               | 660 (93.6%)         | 27 (90.0%)         |         |
| Yes                              | 42 (6.0%)           | 3 (10.0%)          |         |
| Unknown                          | 3 (0.4%)            | 0 (0.0%)           |         |
| Baseline BMI (kg/m)              |                     |                    | 0.447   |
| Mean ± SD                        | 28.2 ± 6.0          | 27.3 ± 6.2         |         |
| Missing                          | 3                   | 1                  |         |
| Stress Test: Degree of Ischemia  |                     |                    | 0.364   |
| Moderate                         | 443 (63.5%)         | 16 (55.2%)         |         |
| Severe                           | 255 (36.5%)         | 13 (44.8%)         |         |
| Missing                          | 7                   | 1                  |         |
| Stress Test Modality             |                     |                    | 0.830   |
| Nuclear (PET/SPECT)              | 448 (63.6%)         | 18 (62.1%)         |         |
| Echocardiographic Stress         | 140 (19.9%)         | 5 (17.2%)          |         |
| Cardiac Magnetic Resonance       | 1 (0.1%)            | 0 (0.0%)           |         |
| ETT without Imaging              | 115 (16.3%)         | 6 (20.7%)          |         |
| Missing                          | 1                   | 1                  |         |
| Anterior Ischemia                | 5 (14.7%)           | 0 (0.0%)           | 1.000   |
| Missing                          | 671                 | 28                 |         |
| SAQ Summary Score                |                     |                    | < 0.001 |
| Mean ± SD                        | 76.4 ± 19.2         | 58.2 ± 27.0        |         |
| Median (IQR)                     | 79.0 (63.0, 94.0)   | 62.5 (35.5, 77.5)  |         |
| Missing                          | 1                   | 10                 |         |
| SAQ Physical Limitation Score    |                     |                    | 0.030   |
| Mean ± SD                        | 75.0 ± 25.1         | 59.7 ± 28.4        |         |
| Median (IQR)                     | 83.0 (58.0, 100.0)  | 50.0 (42.0, 83.0)  |         |
| Missing                          | 143                 | 17                 |         |
| SAQ Angina Frequency Score       |                     |                    | < 0.001 |
| Mean ± SD                        | 87.3 ± 17.4         | 70.0 ± 31.5        |         |
| Median (IQR)                     | 90.0 (80.0, 100.0)  | 80.0 (45.0, 100.0) |         |
| Missing                          | 1                   | 10                 |         |
| SAQ Quality of Life Score        |                     |                    | < 0.001 |
| Mean ± SD                        | 66.6 ± 27.5         | 42.7 ± 29.6        |         |
| Median (IQR)                     | 75.0 (50.0, 88.0)   | 50.0 (13.0, 62.5)  |         |
| Missing                          | 2                   | 10                 |         |

**7 Supplemental Table 2. Brief Symptom Questionnaire Completion Rates and Reasons for Missingness**

| Month  | Number of Patients Who... |  |                              | Completed   | Skipped    | Withdrawn | Lost to Follow-up |
|--|---------------------------|--|------------------------------|-------------|------------|-----------|-------------------|
|  | Died                      | Were Censored Due to Completion of Trial | Were Eligible for Assessment |             |            |           |                   |
| <b><i>Conservative Treatment Group (N=368)</i></b> |                           |  |                              |             |            |           |                   |
| 0  | 0                         | 0  | 368                          | 367 (99.7%) | 1 ( 0.3%)  | 0 ( 0.0%) | 0 ( 0.0%)         |
| 1.5  | 7                         | 0  | 361                          | 331 (91.7%) | 28 ( 7.8%) | 0 ( 0.0%) | 2 ( 0.6%)         |
| 3  | 16                        | 0  | 352                          | 317 (90.1%) | 33 ( 9.4%) | 0 ( 0.0%) | 2 ( 0.6%)         |
| 6  | 20                        | 0  | 348                          | 316 (90.8%) | 26 ( 7.5%) | 0 ( 0.0%) | 6 ( 1.7%)         |
| 12   | 35                        | 0  | 333                          | 296 (88.9%) | 29 ( 8.7%) | 0 ( 0.0%) | 8 ( 2.4%)         |
| 18   | 50                        | 1  | 317                          | 284 (89.6%) | 23 ( 7.3%) | 0 ( 0.0%) | 10 ( 3.2%)        |
| 24   | 65                        | 50                                       | 253                          | 221 (87.4%) | 22 ( 8.7%) | 0 ( 0.0%) | 10 ( 4.0%)        |
| 30   | 72                        | 124                                      | 172                          | 146 (84.9%) | 15 ( 8.7%) | 0 ( 0.0%) | 11 ( 6.4%)        |
| 36   | 81                        | 175                                      | 112                          | 98 (87.5%)  | 7 ( 6.3%)  | 0 ( 0.0%) | 7 ( 6.3%)         |
| 42   | 88                        | 228                                      | 52                           | 45 (86.5%)  | 3 ( 5.8%)  | 0 ( 0.0%) | 4 ( 7.7%)         |
| 48   | 88                        | 255                                      | 25                           | 22 (88.0%)  | 0 ( 0.0%)  | 0 ( 0.0%) | 3 (12.0%)         |
| 54   | 89                        | 270                                      | 9                            | 5 (55.6%)   | 1 (11.1%)  | 0 ( 0.0%) | 3 (33.3%)         |
| 60   | 89                        | 275                                      | 4                            | 2 (50.0%)   | 0 ( 0.0%)  | 0 ( 0.0%) | 2 (50.0%)         |
| <b><i>Invasive Treatment Group (N=367)</i></b>     |                           |  |                              |             |            |           |                   |
| 0  | 0                         | 0  | 367                          | 359 (97.8%) | 8 ( 2.2%)  | 0 ( 0.0%) | 0 ( 0.0%)         |
| 1.5  | 7                         | 0  | 360                          | 317 (88.1%) | 34 ( 9.4%) | 1 ( 0.3%) | 8 ( 2.2%)         |
| 3  | 13                        | 0  | 354                          | 302 (85.3%) | 41 (11.6%) | 1 ( 0.3%) | 10 ( 2.8%)        |
| 6  | 22                        | 0  | 345                          | 310 (89.9%) | 25 ( 7.2%) | 2 ( 0.6%) | 8 ( 2.3%)         |
| 12   | 37                        | 0  | 330                          | 281 (85.2%) | 30 ( 9.1%) | 3 ( 0.9%) | 16 ( 4.8%)        |
| 18   | 53                        | 3  | 311                          | 270 (86.8%) | 22 ( 7.1%) | 3 ( 1.0%) | 16 ( 5.1%)        |
| 24   | 66                        | 62                                       | 239                          | 205 (85.8%) | 17 ( 7.1%) | 4 ( 1.7%) | 13 ( 5.4%)        |
| 30   | 73                        | 142                                      | 152                          | 124 (81.6%) | 12 ( 7.9%) | 4 ( 2.6%) | 12 ( 7.9%)        |
| 36   | 79                        | 181                                      | 107                          | 86 (80.4%)  | 9 ( 8.4%)  | 4 ( 3.7%) | 8 ( 7.5%)         |
| 42   | 84                        | 223                                      | 60                           | 46 (76.7%)  | 5 ( 8.3%)  | 4 ( 6.7%) | 5 ( 8.3%)         |
| 48   | 84                        | 250                                      | 33                           | 22 (66.7%)  | 2 ( 6.1%)  | 4 (12.1%) | 5 (15.2%)         |
| 54   | 85                        | 264                                      | 18                           | 8 (44.4%)   | 1 ( 5.6%)  | 4 (22.2%) | 5 (27.8%)         |
| 60   | 85                        | 270                                      | 12                           | 3 (25.0%)   | 0 ( 0.0%)  | 4 (33.3%) | 5 (41.7%)         |

**8 Supplemental Table 3: Odds Ratios (95% Credible Intervals) for Better Health Status Over Time\***

| Month | SAQ-7 Summary Score          | SAQ-7 Angina Frequency Score | SAQ-7 Quality of Life Score  | SAQ-7 Physical Limitation Score | Rose Dyspnea Score           | EQ-5D Visual Analog Scale    |
|-------|------------------------------|------------------------------|------------------------------|---------------------------------|------------------------------|------------------------------|
| 1.5   | 1.20 (0.76, 1.66)<br>Pr=0.81 | 1.40 (0.80, 2.06)<br>Pr=0.90 | 1.26 (0.76, 1.75)<br>Pr=0.85 | 0.99 (0.52, 1.47)<br>Pr=0.43    | 0.98 (0.56, 1.44)<br>Pr=0.42 | 1.54 (0.95, 2.19)<br>Pr=0.98 |
| 3     | 1.48 (0.90, 2.16)<br>Pr=0.95 | 1.61 (0.75, 2.60)<br>Pr=0.92 | 1.55 (0.87, 2.31)<br>Pr=0.95 | 1.22 (0.56, 1.95)<br>Pr=0.70    | 1.17 (0.60, 1.79)<br>Pr=0.67 | 1.83 (1.06, 2.71)<br>Pr=0.99 |
| 6     | 1.13 (0.61, 1.69)<br>Pr=0.65 | 1.47 (0.57, 2.53)<br>Pr=0.82 | 1.23 (0.62, 1.92), Pr=0.73   | 0.99 (0.42, 1.65)<br>Pr=0.42    | 0.92 (0.48, 1.46)<br>Pr=0.33 | 1.18 (0.66, 1.81)<br>Pr=0.70 |
| 12    | 1.06 (0.55, 1.62)<br>Pr=0.53 | 1.32 (0.51, 2.33)<br>Pr=0.72 | 1.39 (0.68, 2.26)<br>Pr=0.84 | 0.95 (0.35, 1.70)<br>Pr=0.37    | 1.13 (0.50, 1.85)<br>Pr=0.59 | 1.16 (0.60, 1.79)<br>Pr=0.67 |
| 18    | 1.30 (0.68, 2.02)<br>Pr=0.80 | 1.06 (0.39, 1.86)<br>Pr=0.49 | 1.62 (0.76, 2.59)<br>Pr=0.93 | 0.66 (0.24, 1.19)<br>Pr=0.11    | 1.18 (0.52, 1.93)<br>Pr=0.64 | 1.24 (0.62, 1.95)<br>Pr=0.74 |
| 24    | 1.59 (0.77, 2.49)<br>Pr=0.93 | 1.38 (0.54, 2.43)<br>Pr=0.76 | 1.38 (0.66, 2.23)<br>Pr=0.82 | 1.16 (0.37, 2.11)<br>Pr=0.57    | 1.07 (0.50, 1.75)<br>Pr=0.52 | 0.78 (0.39, 1.25)<br>Pr=0.16 |
| 30    | 1.34 (0.69, 2.12)<br>Pr=0.81 | 1.24 (0.49, 2.15)<br>Pr=0.68 | 1.22 (0.59, 1.93)<br>Pr=0.70 | 1.30 (0.45, 2.36)<br>Pr=0.69    | 1.07 (0.52, 1.67)<br>Pr=0.53 | 0.81 (0.42, 1.30)<br>Pr=0.19 |
| 36    | 1.16 (0.45, 2.03)<br>Pr=0.59 | 1.20 (0.35, 2.39)<br>Pr=0.56 | 1.10 (0.43, 1.92)<br>Pr=0.53 | 1.54 (0.39, 3.16)<br>Pr=0.73    | 1.10 (0.43, 1.89)<br>Pr=0.53 | 0.85 (0.35, 1.44)<br>Pr=0.26 |

\*Model odds ratios (posterior mean and 95% credible intervals). “Pr” denotes posterior probability that the odds ratio is >1.0.

**9 Supplemental Table 4. Time-Averaged Area Under the Curve through 48 Months (Posterior Mean and 95% Credible Intervals)**

|                                 | <b>Invasive</b>   | <b>Conservative</b> | <b>Difference</b>   |
|---------------------------------|-------------------|---------------------|---------------------|
| SAQ-7 Summary Score             | 82.2 (80.0, 84.4) | 81.4 (79.4, 83.6)   | 0.7 (-2.0, 3.4)     |
| SAQ-7 Angina Frequency Score    | 96.9 (95.8, 98.0) | 96.4 (95.2, 97.4)   | 0.5 (-0.9, 1.8)     |
| SAQ-7 Quality of Life Score     | 74.9 (71.2, 78.3) | 73.6 (70.0, 76.9)   | 1.3 (-3.1, 5.5)     |
| SAQ-7 Physical Limitation Score | 77.8 (73.5, 81.9) | 76.6 (72.4, 80.7)   | 1.2 (-4.2, 6.2)     |
| Rose Dyspnea Scale              | 1.07 (0.87, 1.27) | 1.08 (0.90, 1.28)   | -0.01 (-0.22, 0.21) |
| EQ-5D Visual Analog Scale       | 63.8 (61.9, 65.7) | 64.2 (62.3, 66.0)   | -0.4 (-2.8, 2.1)    |



**10 Supplemental Table 5: Comparison of Odds Ratios for Higher SAQ Summary Scores in Models Ignoring Death and in Joint Models of Survival and Health Status\***

**SAQ-7 Summary Score – All Patients**

| <b>Month</b> | <b>Deaths Ignored</b>     | <b>Joint QOL-Survival Model</b> |
|--------------|---------------------------|---------------------------------|
| 1.5          | 1.20 (0.76, 1.66) Pr=0.81 | 1.21 (0.77, 1.68) Pr=0.81       |
| 3            | 1.48 (0.90, 2.16) Pr=0.95 | 1.49 (0.88, 2.19) Pr=0.95       |
| 6            | 1.13 (0.61, 1.69) Pr=0.65 | 1.14 (0.63, 1.74) Pr=0.66       |
| 12           | 1.06 (0.55, 1.62) Pr=0.53 | 1.06 (0.56, 1.63) Pr=0.53       |
| 24           | 1.59 (0.77, 2.49) Pr=0.93 | 1.58 (0.80, 2.52) Pr=0.93       |
| 36           | 1.16 (0.45, 2.03) Pr=0.59 | 1.16 (0.44, 2.01) Pr=0.58       |
| 48           | 0.94 (0.11, 2.19) Pr=0.34 | 0.94 (0.14, 2.23) Pr=0.34       |

\*Model odds ratios (posterior mean and 95% highest posterior density intervals). “Pr” denotes posterior probability that the odds ratio is >1.0.

11 Suppl Table 6: Posterior Probabilities of Treatment Effect Compared to Main Trial

|                            | Probability of a greater Odds Ratio in ISCHEMIA vs. ISCHEMIA-CKD |
|----------------------------|--|
| <i>All patients</i>        |  |
| Month 3                    | 0.94   |
| Month 12                   | 0.99   |
| Month 36                   | 0.93   |
| <i>Daily/weekly angina</i> |  |
| Month 3                    | 0.38   |
| Month 12                   | 0.86   |
| Month 36                   | 0.77   |
| <i>Monthly angina</i>      |  |
| Month 3                    | 0.96   |
| Month 12                   | 0.96   |
| Month 36                   | 0.76   |
| <i>No angina</i>           |  |
| Month 3                    | 0.37   |
| Month 12                   | 0.91   |
| Month 36                   | 0.73   |

## 12 Supplement 7: The 7-item Seattle Angina Questionnaire

### The Seattle Angina Questionnaire-7

1. The following is a list of activities that people often do during the week. Although for some people with several medical problems it is difficult to determine what it is that limits them, please go over the activities listed below and indicate how much limitation you have had **due to chest pain, chest tightness or angina over the past 4 weeks**.

Place an X in one box on each line.

| Activity  | Extremely limited        | Quite a bit limited      | Moderately Limited       | Slightly limited         | Not at all limited       | Limited for other reasons or did not do the activity |
|---|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--|
| a. Walking indoors on level ground                            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>                             |
| b. Gardening, vacuuming or carrying groceries                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>                             |
| c. Lifting or moving heavy objects (e.g. furniture, children) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>                             |

2. Over the past 4 weeks, on average, how many times have you had **chest pain, chest tightness or angina**?

I have had **chest pain, chest tightness or angina**...

|                          |                          |  |                          |                          |                            |
|--------------------------|--------------------------|--|--------------------------|--------------------------|----------------------------|
| 4 or more times per day  | 1-3 times per day        | 3 or more times per week but not every day | 1-2 times per week       | Less than once a week    | None over the past 4 weeks |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>                   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   |

3. Over the past 4 weeks, on average, how many times have you had to take nitroglycerin (nitroglycerin tablets or spray) for your **chest pain, chest tightness or angina**?

I have taken nitroglycerin...

|                          |                          |  |                          |                          |                            |
|--------------------------|--------------------------|--|--------------------------|--------------------------|----------------------------|
| 4 or more times per day  | 1-3 times per day        | 3 or more times per week but not every day | 1-2 times per week       | Less than once a week    | None over the past 4 weeks |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>                   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   |

4. Over the past 4 weeks, how much has your **chest pain, chest tightness or angina** limited your enjoyment of life?

|  |  |   |   |   |
|--|--|---|---|---|
| It has <b>extremely</b> limited my enjoyment of life | It has limited my enjoyment of life <b>quite a bit</b> | It has <b>moderately</b> limited my enjoyment of life | It has <b>slightly</b> limited my enjoyment of life | It has <b>not</b> limited my enjoyment of life at all |
| <input type="checkbox"/>                             | <input type="checkbox"/>                               | <input type="checkbox"/>                              | <input type="checkbox"/>                            | <input type="checkbox"/>                              |

5. If you had to spend the rest of your life with your **chest pain, chest tightness or angina** the way it is right now, how would you feel about this?

|   |                          |                          |                          |                          |
|---|--------------------------|--------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> Not satisfied at all | Mostly dissatisfied      | Somewhat satisfied       | Mostly satisfied         | Completely satisfied     |
| <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |