

Appendix

Members of the INCAPS Investigators Group

Executive Committee: A.J. Einstein (chair), T.N.B. Pascual (IAEA project lead), D. Paez (IAEA section head), M. Dondi (IAEA section head); (alphabetically) N. Better, S.E. Bouyoucef, G. Karthikeyan, R. Kashyap, V. Lele, V.P.C. Magboo, J.J. Mahmarian, J.B. Meeks, M. Mercuri, F. Mut, M.M. Rehani, J.V. Vitola.

Regional Coordinators: (alphabetically): E. Alexanderson (Latin America), A. Allam (Africa/Middle East), M.H. Al-Mallah (Middle East), N. Better (Oceania), S.E. Bouyoucef (Africa), H. Bom (East Asia), A. Flotats (Europe), S. Jerome (United States), P.A. Kaufmann (Europe), V. Lele (South Asia), O. Luxenburg (Israel), J. Mahmarian (North America), L.J. Shaw (North America), S.R. Underwood (United Kingdom), J. Vitola (Latin America).

Members (alphabetical order, by region). **Africa:** W. Amouri, H. Essabbah, S.S. Gassama, K.B. Makhdomi, G.I.E. El Mustapha, N. El Ouchdi, N. Qaïs, N. Soni, W. Vangu. **Asia:** R.M. Abazid, B. Adams, V. Agarwal, M.A. Alfeeli, N. Alnafisi, L. Bernabe, G.G. Bural, T. Chaiwatanarat, J.M. Chandraguptha, G.J. Cheon, I. Cho, A.S. Dogan, M. Eftekhari, A. Frenkel, I. Garty, S. George, P. Geramifar, H. Golan, S. Habib, R. Hussain, H. Im, H-J. Jeon, T. Kalawat, W.J. Kang, F. Keng, A. Klaipetch, P.G. Kumar, J. Lee, W.W. Lee, I. Lim, C.M.M. Macaisa, G. Malhotra, B.R. Mittal, M.H. Mohammad, P. Mohan, I.D. Mulyanto, D. Nariman, U.N. Nayak, K. Niaz, G. Nikolov, J.M. Obaldo, E. Ozturk, J.M. Park, S. Park, C.D. Patel, H.K. Phuong, A.P. Quinon, T.R. Rajini, Y. Saengsuda, J. Santiago, H.B. Sayman, A.S. Shinto, V. Sivasubramaniyan, M.H. Son, P. Sudhakar, G.M.S. Syed, N. Tamaki, K. Thamnirat, T. Thientunyakit, S. Thongmak, D.N. Velasco, A. Verma, U. Vutrapongwatana, Y. Wang, K.S. Won, Z. Yao, T. Yingsa-nga, R. Yudistiro, K.T. Yue, N. Zafrir. **Europe:** S.C. Adrian, D. Agostini, S. Aguadé, G. Armitage, M. Backlund, M. Backman, M. Baker, M.T. Balducci, C. Bavelaar, M. Berovic, F. Bertagna, R. Beuchel, A. Biggi, G. Bisi, R. Bonini, A. Bradley, L. Brudin, I. Bruno, E. Busnardo, R. Casoni, A. Choudhri, C. Cittanti, R. Clauss, D.C.

Costa, M. Costa, K. Dixon, M. Dziuk, N. Egelic, I. Eriksson, G. Fagioli, D.B. de Faria, L. Florimonte, A. Francini, M. French, E. Gallagher, I. Garai, O. Geatti, D. Genovesi, L. Gianolli, A. Gimelli, E. del Giudice, S. Halliwell, M.J. Hansson, C. Harrison, F. Homans, F. Horton, D. Jędrzejuk, J. Jogi, A. Johansen, H. Johansson, M. Kalnina, M. Kaminek, A. Kiss, M. Kobylecka, M. Kostkiewicz, J. Kropp, R. Kullenberg, T. Lahoutte, O. Lang, Y.H. Larsson, M. Lázár, L. Leccisotti, N. Leners, O. Lindner, R.W. Lipp, A. Maenhout, L. Maffioli, C. Marcassa, B. Martins, P. Marzullo, G. Medolago, C.G. Mendiguchía, S. Mirzaei, M. Mori, B. Nardi, S. Nazarenko, K. Nikoletic, R. Oleksa, T. Parviainen, J. Patrina, R. Peace, C. Pirich, H. Piwowarska-Bilska, S. Popa, V. Prakash, V. Pubul, L. Puklavec, S. Rac, M. Ratniece, S.A. Rogan, A. Romeo, M. Rossi, D. Ruiz, N. Sabharwal, B.G. Salobir, A.I. Santos, S. Saranovic, A. Sarkozi, R.P. Schneider, R. Sciagra, S. Scotti, Z. Servini, L.R. Setti, S-Å. Starck, D. Vajauskas, J. Veselý, A. Vieni, A. Vignati, I.M. Vito, K. Weiss, D. Wild, M. Zdraveska-Kochovska. **Latin America:** R.N. Agüro, N. Alvarado, C.M. Barral, M. Beretta, I. Berrocal, J.F. Batista Cuellar, T-M. Cabral Chang, L.O. Cabrera Rodríguez, J. Canessa, G. Castro Mora, A.C. Claudia, G.F. Clavelo, A.F. Cruz Júnior, F.F. Faccio, K.M. Fernández, J.R. Gomez Garibo, U. Gonzalez, P. González E., M.A. Guzzo, J. Jofre, M. Kapitán, G. Kempfer, J.L. Lopez, T. Massardo V., I. Medeiros Colaco, C.T. Mesquita, M. Montecinos, S. Neubauer, L.M. Pabon, A. Puente, L.M. Rochela Vazquez, J.A. Serna Macias, A.G. Silva Pino, F.Z. Tártari Huber, A.P. Tovar, L. Vargas, C. Wiefels. **North America:** A. Aljizeeri, R.J. Alvarez, D. Barger, W. Beardwood, J. Behrens, L. Brann, D. Brown, H. Carr, K. Churchwell, G.A. Comingore, J. Corbett, M. Costello, F. Cruz, T. Depinet, S. Dorbala, M. Earles, F.P. Esteves, E. Etherton, R.J. Fanning, Jr., J. Fornace, L. Franks, H. Gewirtz, K. Gulanchyn, C-L. Hannah, J. Hays, J. Hendrickson, J. Hester, K. Holmes, S. Jerome, A. Johnson, C. Jopek, H. Lewin, J. Lyons, C. Manley, J. Meden, S. Moore, W.H. Moore, V. Murthy, R. Nace, D. Neely, L. Nelson, O. Niedermaier, D. Rice, R. Rigs, K. Schiffer, E. Schockling, T. Schultz, T. Schumacker, B. Sheesley, A. Sheikh, B. Siegel, A.M. Slim, J. Smith, M. Szulc, N. Tanskersley, P. Tilkemeier, G.D. Valdez, R. Vrooman, D. Wawrowicz, D.E. Winchester. **Oceania:** A. Alcheikh, B. Allen, E. Atkins, J. Bevan, C. Bonomini, J. Christiansen, L. Clack, E. Craig, H. Dixson, I. Duncan, S. Fredericks, S. Gales, R. Hampson, T. Hanley, K. Hartcher, J. Hassall, B. Kelley, S. Kelly, T. Kidd, T. de Kort, G.

Larcos, W. Macdonald, C. McGrath, E. Murdoch, S. O'Malley, M. O'Rourke, M. Pack, R. Pearce, R. Praehofer, S. Ramsay, L. Scarlett, K. Smidt, F. Souvannavong, K. Taubman, G. Taylor, K. Tse, S. Unger, J. Weale.

Supplemental Table 1. Studies performed with an advanced camera in facilities reported use of CZT or PET technology.

	Facilities (n)	Use of Adv. Camera	Dose reduced^a	Total Studies
CZT	23	782 (80%)	506 (65%)	972^b
Asia	4	194 (67%)	85 (44%)	289
Europe	9	312 (91%)	185 (59%)	341
North America	5	163 (71%)	147 (90%)	228
Oceania	5	113 (100%)	89 (79%)	113
PET	31	474 (34%)	-	1403^c
Africa	1	6 (10%)	-	60
Asia	10	53 (17%)	-	305
Europe	10	52 (16%)	-	332
North America	10	363 (51%)	-	706

^aNumber of SPECT protocols using CZT cameras in which the administered activity of at least one dose was < 8 mCi (the lower limit of administered activity for standard dose SPECT protocols).

^bTotal number of SPECT studies performed at facilities reporting the use of CZT technology

^cTotal number of all studies performed at facilities using reporting the use of PET technology

CZT = cadmium-zinc-telluride; PET = positron emission tomography

Supplemental Table 2: Comparison of ED between CT and line source AC for Tc-99m SPECT protocols.

Tc-99m Protocol	Number of facilities (n)		Effective dose (mSv)		<i>P</i>
	CT	Line source	CT	Line source	
1-day SPECT	1101	265	8.9	10.4	<0.001
Rest only	57	3	4.1	6.1	0.044
Rest/Stress	515	191	10.6	11.6	<0.001
Stress only	181	29	3.3	2.8	0.008
Stress/Rest	347	42	10.0	10.5	0.104
Multi-day SPECT	229	122	9.7	9.9	0.294
Rest/Stress	89	50	11.2	9.0	<0.001
Stress/Rest	140	72	8.7	10.5	<0.001
Total	1330	387	9.0	10.2	<0.001

AC = attenuation correction; CT = computed tomography; ED = effective dose; mSv = millisievert; Tc = technetium

