

Supplemental Appendix S1.

COMPASS outcome definitions

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1.0 MYOCARDIAL INFARCTION

Myocardial infarction (MI) definition is mostly based on the Third Definition of MI (JACC 2012) and includes the following:

1.1 Non-procedural MI

Either Cardiac ischemic symptoms (e.g. pain such as pressure, tightness or dyspnea) at rest or accelerated ischemic symptoms, either of which lasts ≥ 20 minutes that the investigator determines is secondary to ischemia,

Or ECG or imaging changes consistent with MI

- New ECG changes indicative of trans-mural infarction (Q wave in leads V2 and V3 ≥ 0.02 sec or QS complex in leads V2 and V3; Q wave ≥ 0.03 sec and ≥ 0.1 mV deep or QS complex in leads I, II, aVL, aVF or V4-V6 in any two leads of a contiguous lead grouping [lateral - I and aVL; precordial - V1-V6; infero-posterior - II, III, aVF] or R wave ≥ 0.04 sec in V1 and V2 and R/S ≥ 1 with a concordant positive T wave) in the absence of conduction abnormalities
- New significant ST-segment- T-wave changes in two or more contiguous leads: ST elevation at the J point ≥ 0.1 mV in all leads other than leads V2 and V3 where the following cut points apply: ≥ 0.2 mV in men ≥ 40 years; 0.25 mV in men < 40 years, or ≥ 0.15 mV in women. ST depression horizontal or down-sloping ≥ 0.05 mV; or T wave inversion ≥ 0.1 mV with prominent R wave or R/S ratio ≥ 1 .
- Development of new left bundle branch block (LBBB)
- Imaging evidence of new loss of viable myocardium or new regional wall motion abnormality
- Identification of an intracoronary thrombus by angiography

And A rise and/or a fall of cardiac biomarker values (Troponin preferably, CKMB, AST, LDH or myoglobin) with at least one value above the 99th percentile upper reference limit (URL) of the local laboratory.

NOTE: In the absence of a clinical MI, cardiac troponin may be elevated in several conditions such as heart failure, tachy/brady arrhythmia, aortic dissection, pulmonary embolism, severe respiratory failure, sepsis, renal failure, stroke, subarachnoid hemorrhage, severe anemia, contusion, myocarditis, strenuous exercise, etc.

1.2 Peri-procedural MI

1.21 PCI-related MI

Either Cardiac ischemic symptoms as above

Or ECG or imaging changes consistent with MI as above or angiographic findings consistent with a procedural complication,

And troponin concentrations within 48 hours after the procedure that are a) greater than 5 X 99th percentile URL in patients with normal baseline values (less than 99th percentile URL), or b) $>20\%$ above baseline concentrations if baseline values are elevated and are stable or falling.

1.22 CABG, transcatheter aortic valve or mitral clip -related MI

ECG, or imaging changes consistent with MI, or angiographically documented new graft or new native coronary artery occlusion, as described in 1.1 above.

And increased cardiac biomarker values (greater than 10X 99th percentile URL) during the first 48 hours following CABG in patients with normal baseline troponin values.

1.23 MI related to other cardiac procedures

For cardiac catheterization same as 1.1 Non-procedural MI.

1.24 MI associated with non-cardiac procedures (within 48 hours of procedure)

Same as 1.1.

1.3 Probable MI

In rare instances the center may not obtain the cardiac biomarker values for the diagnosis of myocardial infarction. The diagnosis of probable MI can be adjudicated if the following criteria are met:

Hospitalization for acute ischemic cardiac symptoms or ischemic ECG or imaging changes consistent with MI and narrative indicating thrombolysis or coronary revascularization within 12 hours.

This diagnosis can be proposed by the National Leader or delegate and confirmed by the Chair of the Adjudication Committee.

2.0 ANGINA

2.1 Unstable angina

Defined as ischemic symptoms: (pain, dyspnea, pressure) at rest or accelerated ischemic symptoms that the investigator determines is secondary to ischemia and requires hospitalization within 1 day of symptom onset if not already hospitalized.

And

New ECG changes

- New ST depression horizontal or down-sloping ≥ 0.05 mV; or
- New T wave inversion $\geq 0,1$ mV with prominent R wave or R/S ratio ≥ 1 .

compared to most recent ECG tracing.

2.2 Worsening angina

Defined as known angina increasing in frequency, duration, and/or severity, and requiring increased anti-anginal medications* or dosage of these medications or coronary revascularization within 8 weeks.

Anti-anginal medications listed on the case report form are: calcium channel blocker, beta-blocker and nitrates. In some countries, other medications are also approved as anti-anginal medications (e.g., ranolazine). If these medications have been added or their dose increased they will also fulfil the criteria for “requiring increased anti-anginal medications”.

2.3 New angina

Defined as new onset of typical angina with documented ischemia on ECG or by stress testing (ECG, ECHO, or nuclear) in a patient previously not known to have angina or in a patient with a history of angina who has undergone revascularization (CABG/PCI) at least 6 months prior to the current episode of angina. For ischemic stress ECG changes, the ST depression should be equal or greater than 2 mm in comparison to the tracing at rest obtained in the same position.

3.0 STENT THROMBOSIS

3.1 Definite stent thrombosis

Angiographic confirmation of stent thrombosis: The presence of a thrombus that originates in the stent or in the segment 5 mm proximal or distal to the stent and presence of at least 1 of the following criteria within a 48-hour time window:

- Acute onset of ischemic symptoms at rest

- New ischemic ECG changes that suggest acute ischemia
- Typical rise and/or fall in cardiac biomarkers
- Nonocclusive thrombus: Intracoronary thrombus is defined as a (spheric, ovoid, or irregular) noncalcified filling defect or lucency surrounded by contrast material (on 3 sides or within a coronary stenosis) seen in multiple projections, or persistence of contrast material within the lumen, or a visible embolization of intraluminal material downstream.
- Occlusive thrombus: TIMI 0 or TIMI 1 intrastent or proximal to a stent up to the most adjacent proximal side branch or main branch (if originates from the side branch).

Pathological confirmation of stent thrombosis: Evidence of recent thrombus within the stent determined at autopsy or via examination of tissue retrieved following thrombectomy.

3.2 Probable stent thrombosis

Clinical definition of probable stent thrombosis is considered to have occurred after intracoronary stenting in the following cases:

- a. Any unexplained death within the first 30 days
- b. Irrespective of the time after the index procedure, any MI that is related to documented acute ischemia in the territory of the implanted stent without angiographic confirmation of stent thrombosis and in the absence of any other obvious cause.

We count definite stent thrombosis only from the medical procedure form (participants who undergo a PCI/PTCA or angiogram without surgery/intervention).

We count probable stent thrombosis from the myocardial infarction form or from the medical procedures form (participants who undergo PCI/PTCA or angiogram without surgery/intervention).

4.0 CORONARY ARTERY BYPASS GRAFT FAILURE

Graft failure is defined as absence of blood flow in a graft, as diagnosed by angiography.

5.0 HEART FAILURE (NEW OR WORSENING)

Requires at least one sign (dependent edema, elevation of JVP, rales) or one symptom (shortness of breath, orthopnea, paroxysmal nocturnal dyspnea), plus either:

- One positive diagnostic test, such as:
 - BNP >500 pg/ml
 - NT-pro BNP >2,000 pg/ml
 - chest X-ray showing pulmonary congestion, edema or pleural effusion

Or

- Needing diuretic, nitrate or inotropic agent to treat the heart failure.

6.0 STROKE

Stroke is defined as the presence of acute focal neurological deficit thought to be of vascular origin with signs and symptoms lasting ≥ 24 hours or to time of death. On the basis of clinical symptoms or signs, and computerized tomography (CT) or MRI imaging, strokes will be classified as:

- Definite ischemic stroke
- Definite hemorrhagic stroke
 - Primary intracerebral / intraparenchymal brain hemorrhage
 - Subarachnoid hemorrhage

- Uncertain or unknown stroke

Note: Hemorrhagic strokes are also counted as major bleeds. Subdural and epidural hematomas are not counted as strokes but as major bleeds.

6.1 Definite ischemic stroke

Stroke with CT or MRI performed within 3 weeks that does not show primary haemorrhage (hemorrhagic transformation is consistent with ischemic stroke).

6.2 Definite hemorrhagic stroke

6.21 Primary intracerebral / intraparenchymal / intraventricular brain hemorrhage

Definite stroke with CT/MRI evidence of acute cerebral hemorrhage. (Note: Does not include hemorrhage secondary to cerebral infarct, post-traumatic intracerebral hemorrhage, hemorrhage into a tumor and hemorrhage into a vascular malformation).

6.22 Subarachnoid hemorrhage

Typical clinical syndrome of sudden onset headache, with or without focal signs (subarachnoid hemorrhage may not have focal deficit), and CT or cerebrospinal fluid evidence of bleeding primarily in the subarachnoid space. Non traumatic subarachnoid hemorrhage documented by imaging is considered a hemorrhagic stroke.

6.3 Uncertain or unknown stroke

Definite stroke that does not meet the above criteria for cerebral infarction or hemorrhage. (CT scan or MRI not done). The neurological deficit must have been present for 24 hours or more.

NOTE: Subdural and epidural hematomas will not be considered as strokes but will be counted as major hemorrhages.

7.0 TRANSIENT ISCHEMIC ATTACK

Transient ischemic attack is defined as the presence of acute focal neurological deficit thought to be of vascular origin with signs and symptoms lasting less than 24 hours. This diagnosis is maintained even if there is ischemia or infarction on imaging.

8.0 DEATH

8.1 Non-cardiovascular death

Non-cardiovascular death is defined as any death for which definite evidence of a primary non-cardiovascular cause exists. Categories of non-cardiovascular death include:

8.11 Malignancy death

- Gastrointestinal malignancy (including pancreatic and liver cancer)
- Lung malignancy
- Breast malignancy
- Prostate malignancy
- Brain malignancy
- Skin malignancy
- Hematologic malignancy (e.g. leukemia or lymphoma, multiple myeloma)
- Genito-urinary malignancy

- Bone/connective tissue (e.g. sarcoma)
- Unknown primary site
- Other malignancy (specify)

8.12 Other non-cardiovascular death not due to malignancy or bleeding

- Respiratory failure
- Gastrointestinal (non-hemorrhagic – see fatal bleeding – i.e. diverticulitis, perforation, ischemic infarction)
- Liver failure
- Infection / sepsis
- Renal failure
- Accident, trauma
- Suicide
- Other non-vascular

8.13 Fatal bleeding other than due to hemorrhagic stroke

Haemorrhagic stroke leading to death is a CV death but will also be reported in the bleeding output tables as a fatal bleed.

8.2 Cardiovascular death

Defined as a death for which a definite non-cardiovascular cause (e.g. cancer) has not been identified. Uncertain causes of deaths are presumed to be cardiovascular unless proven otherwise. Cardiovascular deaths will be categorized as follows:

8.21 CV death within 30 days of acute MI

Death by any cardiovascular mechanism (e.g., arrhythmia, sudden death, HF, stroke, pulmonary embolus, PAD) that occurs within 30 days of acute MI. If the CV death occurs in the context of a probable or definite stent thrombosis or a probable MI as defined in 1.3 it will be counted as CV death within 30 days of MI.

8.22 CV death within 30 days of Stroke

Death not meeting the criteria for 8.21 that occurs by any cardiovascular mechanism (e.g., arrhythmia, sudden death, HF, pulmonary embolus, PAD) within 30 days of a stroke (ischemic, hemorrhagic or uncertain)

8.23 CV death within 14 days of Heart failure

Death not meeting the criteria for 8.21 or 8.22 that occurs within 14 days of new or worsening heart failure.

8.24 CV Death within 3 days of a CV procedure

Death not meeting the criteria for 8.21 – 8.23 that occurs ≤ 3 days after a cardiovascular procedure.

8.25 Sudden cardiac death

Death that occurs unexpectedly and does not meet the criteria for 8.21 – 8.24. This includes:

- Death witnessed and occurring without new or worsening symptoms
- Death witnessed and attributed to an identified arrhythmia (e.g., captured on an electrocardiographic recording, witnessed on a monitor, or unwitnessed but found on ICD review)
- Death after unsuccessful resuscitation from cardiac arrest (e.g., ICD unresponsive sudden cardiac death, pulseless electrical activity arrest)
- Death after successful resuscitation from cardiac arrest and without identification of a specific cardiac or non-cardiac etiology

- Unwitnessed death in a subject seen alive and clinically stable ≤ 24 h before being found dead without any evidence supporting a specific non-cardiovascular cause of death (information about the patient's clinical status preceding death should be provided if available)

Unless additional information suggests an alternate specific cause of death (e.g., Death due to Other Cardiovascular Causes), if a patient is seen alive ≤ 24 h before being found dead, sudden cardiac death should be recorded. For patients who were not observed alive within 24 h of death, the death should be adjudicated as being due to an unknown cause (e.g., a subject found dead in bed but who had not been seen by family members for >24 h)

8.26 Death due to other cardiovascular cause

Cardiovascular death due to known causes that do not fit in any of the above categories.

8.27 Death due to unknown cause

These are expected to be rare and mostly when there is no supportive documentation available despite several requests

Note: Coronary heart disease death includes the death due to acute MI (8.21), sudden cardiac death (8.25) or death due to a CV procedure (8.24).

9.0 RESUSCITATED CARDIAC ARREST

Resuscitated cardiac arrest is defined as sudden cardiac arrest, with or without premonitory heart failure or MI, following which the patient is resuscitated by defibrillation, medication and/or cardiopulmonary resuscitation. This definition excludes known transient losses of consciousness such as seizure or vasovagal episodes that do not reflect significant cardiac dysfunction.

10.0 SEVERE/ACUTE LIMB ISCHEMIA, PERIPHERAL VASCULAR INTERVENTION AND PERIPHERAL VASCULAR HOSPITALIZATION

This category does not include carotid disease.

10.1 Acute limb ischemia (ALI)

Acute limb ischemia is defined as limb-threatening ischemia which is confirmed by limb hemodynamics or imaging and leads to an acute vascular intervention (i.e. pharmacologic [heparin, thrombolysis], peripheral arterial surgery/reconstruction, peripheral angioplasty/stent, or amputation) within 30 days of onset of symptoms. In the absence of confirmation by limb hemodynamics or imaging, absent pedal pulses is acceptable as hemodynamic criterion for acute limb ischemia.

If the event does not meet the definition for ALI it may be classified as chronic limb ischemia (CLI), peripheral vascular intervention or other peripheral vascular hospitalization.

10.2 Chronic limb ischemia (CLI)

CLI is defined as continuing ischemic limb, foot or digit pain leading to hospitalization and intervention and not meeting the definition of ALI, or Fontaine 3 or 4 at baseline with peripheral intervention during the course of the trial.

10.3 Peripheral vascular intervention (PVI)

Peripheral vascular intervention is defined as peripheral vascular intervention not meeting the definition for ALI or CLI.

10.4 Other peripheral vascular hospitalization (OPVH)

Peripheral vascular hospitalization is defined as hospitalization for a peripheral vascular indication, not meeting the definition for ALI, CLI or peripheral vascular intervention.

Note: Total peripheral vascular hospitalization is defined as the combination of all 4 categories above (10.1 + 10.2 + 10.3 + 10.4). Major adverse limb event (MALE) is defined as ALI or CLI

11.0 REVASCULARIZATION

- Percutaneous coronary intervention (PCI): Balloon only or other procedure with or without stent insertion
- Coronary artery bypass graft (CABG) surgery
- Carotid angioplasty with or without stent
- Carotid endarterectomy or carotid bypass
- Other arterial angioplasty with or without stent
- Other arterial surgery: This includes aortic aneurysm repair (AAR) including stent for aortic aneurysm, aortobifemoral bypass (ABF), femoropopliteal bypass (FPB) femoral-tibial bypass (FTB), and surgery for cerebral aneurysm (CA), and thoracic aneurysm (TA)

12.0 AMPUTATION

Defined as amputation of the lower limb secondary to vascular insufficiency, subdivided into major (above knee, below knee) and minor (forefoot, digit)

13.0 VENOUS THROMBOEMBOLISM

Venous thromboembolism is defined as deep vein thrombosis of the lower or upper limbs or pulmonary embolism, diagnosed by objective testing.

13.1 Deep vein thrombosis

- A constant filling defect in two or more views on contrast venography in one or more venous segments
- New or previously undocumented non-compressibility of one or more venous segments on compression ultrasound
- A clearly defined intraluminal filling defect on contrast enhanced computed tomography

13.2 Pulmonary embolism

- An intraluminal filling defect on pulmonary angiography
- Sudden contrast cut-off of one or more vessels more than 2.5 mm in diameter on a pulmonary angiogram
- A high probability VQ scan (one or more segmental perfusion defects with corresponding normal ventilation)
- An abnormal non-high VQ scan plus criteria for the diagnosis of DVT
- An unequivocal, intra-arterial, un-enhancing filling defect in the central pulmonary vasculature (pulmonary trunk, main pulmonary arteries, anterior trunk, right and left interlobar and lobar arteries) on spiral CT

14.0 BLEEDING

14.1 Major Bleeding

Major bleeding is defined using a definition of the ISTH major bleeding definition.

- i) Fatal bleeding, or
- ii) Symptomatic bleeding in a critical area or organ, such as intraarticular, intramuscular with compartment syndrome, intraspinal, intracranial, intraocular, respiratory, pericardial, liver, pancreas, retroperitoneal, adrenal gland or kidney; or bleeding into the surgical site requiring reoperation, or
- iii) Bleeding leading to hospitalization*.

*For the definition of major bleeding this also includes presentation to an acute care facility with discharge the same day.

Note: Fatal bleeding is bleeding that is deemed by the investigator to lead to death. Deaths related to bleeding are non-CV except for fatal hemorrhagic stroke which is a CV death. Subdural hematomas are non-CV deaths.

Note: Bleeding leading to hospitalization or presentation to an acute care facility with discharge on the same day relies on the investigator judgement as to whether the bleed prompted the presentation.

14.2 Minor Bleeding

All bleeding that is not defined as major will be counted as minor bleeding.

15.0 GASTROINTESTINAL EVENTS

Gastrointestinal outcome definitions are based on the COGENT (Clopidogrel with or without Omeprazole in Coronary Artery Disease) publication in NEJM 2010; 363:1909-17).

15.1 Overt bleeding of gastroduodenal origin confirmed by endoscopy or radiography

Gastroduodenal bleeding manifested by melena and/or hematemesis, with confirmation of a bleeding gastroduodenal lesion (ulcer or erosion) by endoscopy or radiography

15.2 Overt upper gastrointestinal bleeding of unknown origin

Acute bleeding in the gastrointestinal tract, manifested by melena and/or hematemesis, without confirmed identification of a bleeding gastrointestinal lesion by endoscopy or radiography.

15.3 Bleeding of presumed occult upper gastrointestinal tract origin with documented decrease in hemoglobin of 2 g/dL

Decrease in hemoglobin of at least 2 g/dL without confirmed identification of a bleeding gastrointestinal lesion by endoscopy or radiography and in the absence of a known cause of anemia.

15.4 Symptomatic gastroduodenal ulcer

Gastroduodenal ulcer manifested by gastrointestinal symptoms that persists for > 3 days, with confirmation of ulcer by endoscopy or radiography. An ulcer is defined as any mucosal break at least 3 mm in greatest diameter that has unequivocal depth.

15.5 Gastrointestinal pain with underlying multiple gastroduodenal erosions

Pain in the upper gastrointestinal region of presumed gastrointestinal origin that persists for > 3 days, with confirmation by endoscopy of 5 or more gastroduodenal erosions.

15.6 Obstruction or perforation

Obstruction includes gastrointestinal obstruction occurring anywhere in the stomach, duodenum, jejunum or ileum, with confirmation by endoscopy, radiography or surgery. Gastrointestinal perforation occurring anywhere in the stomach, duodenum, jejunum or ileum, with confirmation by endoscopy, radiography or surgery.

16.0 CANCER

The diagnosis of new or recurrent cancer requires histological evidence of malignancy, whether obtained from an aspiration, biopsy, or definitive surgical procedure, or radiotherapy or chemotherapy, or other compelling evidence of cancer. This definition includes both invasive and in-situ cancers.

16.1 New cancer

- 16.101 Lung
- 16.102 Breast
- 16.103 Prostate
- 16.104 Skin
- 16.105 Gastrointestinal (including pancreatic and liver cancer)
- 16.106 Hematologic (e.g. leukemia or lymphoma, multiple myeloma)
- 16.107 Genitourinary
- 16.108 Bone/connective tissue (e.g. sarcoma)
- 16.109 Brain
- 16.110 Unknown primary site
- 16.111 Other (specify)

16.2 Recurrent cancer

Recurrent cancer is defined as the return of cancer after treatment and after a period of time during which the cancer cannot be detected.

- 16.201 Lung
- 16.202 Breast
- 16.203 Prostate
- 16.204 Skin
- 16.205 Gastrointestinal (including pancreatic and liver cancer)
- 16.206 Hematologic (e.g. leukemia or lymphoma, multiple myeloma)
- 16.207 Genitourinary
- 16.208 Bone/connective tissue (e.g. sarcoma)
- 16.209 Brain
- 16.210 Unknown primary site
- 16.211 Other (specify)

17.0 HOSPITALIZATION

This is defined as admission to hospital or attendance in an acute care setting (Emergency Room) for any reason with discharge on or after the next calendar day.

17.1 Cardiovascular hospitalization

Defined as hospitalization or attendance in an acute care setting (Emergency Room) for evaluation or management of a primary cardiovascular diagnosis.

17.2 Non-CV hospitalization

All hospitalizations that are not defined as CV will be counted as non-CV hospitalization

Supplemental Appendix S2.

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France (191):** (0741) P.G. Steg, J. Juliard, L. Feldman, G. Ducrocq, (0742) V. Aboyans, C. Boulogne, V. Petitalot, (0749) F. Leclercq, F. Roubille, A. Agullo, (0750) E. Ferrari, O. Chiche, P. Mocerri, (0751) F. Boccara, M. Charbonnier, B. Azeddine, S. Ederhy, L. Soulat Dufour, A. Cohen, A. Etienney, (0752) E. Messas, A. Calvalido, A. Galloula, S. Zarka, M-C Courtois, (0755) P. Mismetti, S. Accassat, A. Buchmuller, N. Moulin, L. Bertoletti, B. Seffert, (0756) M. Sevestre, S. Samy Modeliar Remond, S. Dupas, J. Mardyla, S. Le Gloan, (0757) G. Cayla, L. Cornillet, L. Schmutz, (0758) P. Motreff, G. Souteyrand, A. Amonchot, N. Barber-Charmoux, N. Combaret, G. Malcles

Germany (766):** (0781) S. Stoerk, , S. Brenner, M. Christa, (0782) H. Duengen, F. Krackhardt, , A. Bobenko, D. Hashemi, (0783) C. Stellbrink, E. Stellbrink, C. Köster, (0784) O. Guerocak, H. Bourhaial, S. Oumbe Tiam, E. Kemala, J. Froemke, (0785) C. Kadel, H. Moellinger, K. Friedrich, K. Rafoud, (0786) R. Braun-Dullaues, J. Herold, M. Ganzer, (0788) M. Jeserich, S. Kimmel, S. Haggenmiller, H. Schoengart, (0792) H. Voehringer, C. Opitz, (0793) K. Appel, S. Appel, A. Utech, (0794) B. Winkelmann, C. Finger, M. Duersch, (0795) T. Dorsel, N. Wistorf, M. Grude, (0797) S. Nikol, D. Ueberschaer, P. Kast, (0798) H. Darius, S. Sommer, F. Girke, C. Oeztuerk, (0800) J. Ranft, A. Mikalo, (0801) S. Schellong, B. Voigts, C. Mueller, (0802) W. Jungmair, (0803) P. Davierwala, M. Misfeld, K. Bomke, O. Akhavuz, M. Haensig, (0804) M. Vorpahl, A. Blem, G. Langer, I. Nover, T. Koehler

Hungary (735):** (0821) L. Bajnok, Z. Marton, R. Hagendorn, Z. Tarjanyi, E. Mezosi, B. Bodis, B. Ruzsa, Z. Keszthelyi, S. Szujo, A. Bajnok, (0822) Z. Laszlo, (0823) E. Noori, (0824) G. Veress, A. Simon, G. Fogarassy, D. Aradi, K. Barbara, I. Kulcsar, G. Poos, C. Bujaky, D. Sziebert, (0825) A. Vertes, Z. Davidovits, J. Sebo, I. Kosa, (0826) A. Zsary, (0827) E. Kis, T. Hepp, T. Dancs, I. Domonyai, (0828) L. Koranyi, E. Peterfai, K. Bezzegh, A. Feher, B. Literati-Nagy, V. Kemeny, M. Karman, A. Kovacs, J. Pauer, (0829) J. Bakai, I. Agardi, (0830) Z. Boda, K. Razso, A. Schlammadinger, Z. Olah, P. Ilonczai, A. Arokszallasi, (0832) F. Poor, Z. Varallyay, (0833) Z. Jarai, L. Sallai, G. Godina, (0834) V. Kemeny, M. Dudas, J. Pauer, K. Bezzegh, B. Literati-Nagy

Ireland (382):** (1002) J. Barton, K. Mahmood, M. Elfadil, H. Makki, B. Finneran, D. Pearse, A. Liew, B. MacNeill, (1003) B. McAdam, T. Salim, A. Khalid, (1004) A. Murphy, (1006) P. Crean, M. Barry, G. Mustafa, A. Liddy, L. O'Mahony, V. Sandys, H. Sulaiman, (1007) N. Mahon, I. Khan, S. Hassan, N. Ryan, S. Mubarak, E. Fahy, R. Yiklim, A. Roy, M. Kennedy, R. Colleran, A. Schmitt, M. Barrett, K. Kuan, J. Laffan, (1008) R. Curtin, E. McFadden, P. Kelly, (1010) S. Kyvelou, M. Canavan, S. Robinson, D. Veerasingam, (1012) S. Dinneen, A. Smyth
Israel (263):** (1043) M. Halabi, I. Rosenfeld, T. Levinas, A. Goldberg, A. Khateeb, (1044) R. Zimlichman, J. Ben-Aharon, A. Beniashvili, A. Betsalel, (1045) D. Zeltser, O. Rogowski, T. Mardi, Z. Rozenbaum, (1047) Y. Turgeman, T. Or, Y. Rabkin, (1048) E. Klainman, (1049) B. S. Lewis, S. Halabi, D. A. Halon, (1050) A. Katz, T. Plaev, T. Drogenikov, (1051) S. Atar, M. Kilimnik, A. Wishniak, M. Merei, (1053) R. Zimlichman, Y. Zvi, (1078) E. Nikolsky, R. Zukermann, S. Petcherski

Italy (1014):** (1101) S. Bosi, S. Gaitani, M. Naldi, A. Barbieri, (1102) P. Faggiano, F. Guidetti, M. Adamo, A. D'Aloia, M. Magatelli, (1103) D. Robba, (1104) L. Mos, O. Vriz, (1105) G. Sinagra, P. Maras, S. Doimo, (1106) F. Cosmi, S. D'Orazio, (1107) L. Oltrona Visconti, S. Leonardi, E. Vullo, A. Sbaffi, G. Azzara', S. Mauri, U. Gianni, (1108) C. De Matteis, U. Campidonico, (1109) G. Di Pasquale, M. Di Niro, L. Riva, E. Filippini, (1110) M. Di Biase, R. Ieva, A. Martone, (1111) S. Mandorla, O. Regni, E.A. Capponi, S. Martinelli, (1112) M. Bernardinangeli, G. Proietti, G. Proietti, (1113) G.C. Piccinni, M.R. Gualtieri, (1114) M.M.

Gulizia, G.M. Francese, A. Portale, (1115) M. Galvani, F. Ottani, O.G. Catapano, E. Conficoni, S. Longhi, C. Bachetti, (1116) F. Venturi, E. Capati, (1117) G. Morocutti, T. Bisceglia, C. Fresco, (1118) M.G. Baldin, C. Gamba, (1119) C. Olivieri, (1120) G.P. Perna, I. Battistoni, M. Marini, (1121) V. Cirrincione, F. Ingrassia

Japan (1556):** (1122) T. Kanno, Y. Ishii, C. Kohmura, T. Igawa, A. Nakamura, (1123) H. Daida, K. Miyauchi, K. Shimada, H. Ohmura, S. Ito, S. Okazaki, H. Konishi, T. Miyazaki, M. Hiki, T. Kurata, H. Suzuki, R. Morimoto, M. Yokoyama, T. Yamamoto, I. Okai, K. Isoda, S. Fujimoto, T. Dohi, A. Shimada, (1124) Y. Ozaki, E. Watanabe, H. Kawai, H. Naruse, K. Takada, K. Okuda, M. Okumura, M. Ishikawa, M. Ohtsuki, M. Ohta, M. Sarai, M. Koshikawa, M. Kawai, M. Miyagi, R. Okuyama, S. Motoyama, S. Matsui, T. Ichikawa, Y. Kato, Y. Nagahara, T. Muramatsu, Y. Hashimoto, N. Hoshino, M. Harada, A. Yamada, Y. Yoshiki, Y. Motoike, T. Makino, Y. Nomura, K. Miyajima, Y. Katsuta, H. Takatsu, H. Nishimura, (1125) N. Miyamoto, K. Seki, A. Inoue, (1126) S. Higashiue, S. Kojima, S. Kuroyanagi, O. Furuya, M. Komooka, S. Yamamoto, N. Wakabayashi, (1127) H. Domae, T. Ata, H. Hashidomi, R. Kawahara, (1128) S. Hosokawa, Y. Hiasa, R. Otani, K. Kishi, T. Takahashi, K. Yuba, H. Miyajima, Y. Tobetto, K. Yoneda, T. Yasuoka, R. Ogura, (1129) H. Kobayashi, T. Takamura, J. Iwasaki, K. Enkou, Y. Ochi, D. Yamada, T. Kuramochi, K. Misumi, D. Iiduka, M. Hirose, K. Tone, Y. Taniguchi, T. Ebihara, M. Makino, T. Kawasaki, R. Nakamura, M. Hoshina, M. Yokota, M. Nitta, K. Takemura, A. Udo, S. Shimizu, (1131) K. Fujii, K. Iwakura, A. Okamura, K. Inoue, H. Nagai, Y. Hirao, K. Tanaka, N. Tanaka, T. Yamasaki, T. Oka, S. Kameda, M. Iwamoto, Y. Ohta, T. Tanaka, R. Nakamaru, M. Okada, K. Takayasu, A. Sumiyoshi, H. Inoue, (1132) K. Mizutomi, I. Koizumi, R. Teramoto, A. Funada, J. Yokawa, S. Tagawa, S. Kamide, (1133) K. Saku, M. Ideishi, M. Ogawa, Y. Uehara, A. Iwata, H. Nishikawa, A. Ike, M. Sugihara, S. Imaizumi, K. Fujimi, A. Kawamura, H. Sako, N. Morito, J. Morii, Y. Fukuda, E. Yahiro, A. Matsunaga, N. Matsumoto, K. Noda, Y. Shiga, Y. Nagata, (1134) K. Kimura, T. Ebina, K. Hibi, N. Iwahashi, N. Maejima, M. Konishi, K. Matsushita, Y. Minamimoto, S. Kuji, S. Ichikawa, C. Kawashima, H. Nakahashi, Y. Kimura, H. Takahashi, Y. Matsuzawa, J. Kirigaya, R. Sato, S. Kikuchi, (1135) Y. Yasumura, K. Kashiwase, A. Hirata, M. Nishio, M. Asai, M. Wada, H. Wada, A. Higaki, Y. Fukunami, Y. Nishimoto, Y. Takeda, K. Ueno, T. Kojima, R. Amiya, K. Takahashi, Y. Higuchi, T. Sakaguchi, T. Nakano, N. Matsusaki, S. Suzuki, T. Hayashi, S. Nakatani, M. Koide, T. Kobayashi, Y. Hamanaka, (1136) M. Abe, H. Fujieda, K. Hashimoto, Y. Teratani, Y. Abe, Y. Yokoyama, H. Higashino, (1137) H. Okuda, M. Yamazato, (1138) T. Noda, M. Arai, K. Ono, T. Hirose, M. Iwama, S. Warita, Y. Goto, S. Abe, T. Kojima, T. Yoshizane, S. Tanihata, T. Fujii, H. Yagasaki, H. Miwa, M. Ishiguro, T. Kato, M. Hirose, R. Watanabe, T. Ueno, S. Horio, (1139) T. Mita, (1140) A. Hirayama, I. Watanabe, T. Hiro, Y. Kasamaki, S. Kunimoto, T. Nakai, T. Takayama, S. Yoda, Y. Yajima, K. Okubo, T. Ohya, Y. Okumura, M. Kato, D. Fukamachi, Y. Aizawa, R. Kogawa, K. Sonoda, Y. Hori, T. Nishida, K. Iida, N. Sasaki, A. Yamada, K. Iso, K. Takahashi, T. Simada, T. Kougo, H. Haruta, S. Kurokawa, H. Mano, K. Nagashima, (1141) H. Onaka, H. Doi, N. Hirano, F. Okamoto, K. Mori, G. Ri, R. Zushi, (1142) M. Inoko, T. Haruna, E. Nakane, S. Miyamoto, T. Izumi, K. Ueyama, S. Honjo, H. Ikeda, Y. Wada, M. Funasako, H. Hayashi, T. Sekihara, Y. Kimura, A. Hamasaki, K. Sasaki, Y. Seko, E. Okamura, K. Nakasone, M. Abe, (1143) M. Hirokami, Y. Omoto, K. Miyamoto, H. Sasaki, T. Yoshioka, H. Sato, D. Yakabe, S. Yuda, (1144) M. Okubo, H. Matsuo, K. Tsuchiya, Y. Kawase, T. Miyake, H. Kondo, A. Hattori, T. Saigusa, J. Kikuchi, S. Okamoto, Y. Nakatani, T. Hirata, I. Kawamura, H. Ota, H. Omori, T. Tanigaki, H. Kamiya, (1145) Y. Akatsuka, M. Yamamoto, S. Masuda, K. Isegawa, M. Takanezawa, C. Kataoka, (1146) M. Imamaki, (1147) H. Kamiya, Y. Shibata, K. Yasuda, M.

Shimano, R. Ozaki, S. Shimizu, Y. Morishita, Y. Nomura, K. Okabe, K. Kondo, (1148) M. Manita, K. Tabata, T. Asahi, T. Mashidori, N. Higa, M. Nakata, (1149) T. Himi, M. Yamamoto, Y. Matsudo, T. Sekine, K. Hou, N. Tonoike, Y. Hama, S. Tanaka, B. Ge, M. Takahara, M. Ishimura, T. Shikada, (1150) H. Ueno, H. Amemiya, (1151) Y. Hisamatsu, K. Sada, T. Sato, K. Harada, T. Nakamura, (1152) J. Ako, T. Tojo, T. Shimohama, J. Kishihara, T. Yanagisawa, S. Ishii, H. Fukaya, K. Meguro, (1153) Y. Nishino, M. Inoue, Y. Matsui, Y. Omura, (1154) H. Matsuoka, H. Kawakami, A. Oshita, F. Seike, N. Kondo, T. Miyoshi, (1155) Y. Yamada, T. Uchiya, Y. Kikuchi, (1156) Y. Koretsune, H. Abe, M. Koide, H. Miura, K. Shinouchi, H. Inoue, H. Nishida, K. Yasumura, M. Date, Y. Ueda, Y. Iida, A. Idemoto, C. Toriyama, T. Kato, H. Yorifuji, K. Yokoi, T. Mishima, (1157) T. Yamada, M. Fukunami, T. Morita, Y. Furukawa, Y. Iwasaki, M. Kawasaki, A. Kikuchi, T. Kondo, K. Kin, S. Tamaki, T. Ozaki, Y. Sato, M. Seo, Y. Shirakawa, I. Ikeda, E. Fukuhara, (1158) T. Yoshida, (1159) H. Shimomura, Y. Yamada, T. Kudoh, Y. Nakamura, S. Morisaki, Y. Ogura, N. Chazono, Y. Onoue, Y. Matsumuro, T. Shirakawa, R. Sato, M. Nishi, (1160) N. Kinoshita, K. Matsumoto, R. Nakamura, N. Miyai, K. Isoda, K. Ohta, T. Sawanishi, T. Yamasaki, A. Takahashi, T. Hada, S. Nakajima, N. Taniguchi, T. Yamada, Y. Mizuguchi, (1161) Y. Takahashi, S. Hashimoto, K. Yusoff, C. Lim, R. Zainal Rashid, R. Najme Khir, K. Ibrahim, W. Wan Ahmad, G. Sridhar, T. Watson, Z. Abu Kassim, A. Mahmood Zuhdi, M. Abdul Hafidz, M. Abu Hassan, W. Wan Rahimi Shah, D. Karthikesan , M. Mohd Suan, S. Md Ali, S. Kasim, M. Mohd Arshad, J. Ismail, Z. Ibrahim, N. Chua Yul Chye, A. Abdul Rahim, B. Rusani, Y. Lok Bin, D. Mohd Zamrin, M. Amir, N. Ismail, A. Mohammad Razi, (1180) M. Machida, K. Hirabayashi, S. Morimoto, T. Sato, Y. Ishidoya, (1181) Y. Higashino, S. Otsuji, S. Takiuchi, M. Yabuki, K. Hasegawa, D. Shishikura, M. Ibuki, K. Ishibuchi, S. Nagayama, R. Ishii, K. Fujii, H. Tamaru, W. Yamamoto, (1182) N. Utsu, K. Miyakoshi, D. Nakashima, K. Tsukuda, K. Ueda, (1183) A. Nakano, T. Fukuda, S. Ikeda, H. Tsuchiya, S. Toshima, R. Tateno, T. Ishikubo, M. Suguta, (1184) S. Nakamura, T. Kobayashi, A. Funatsu, M. Mizobuchi, M. Tanaka, Y. Ito, (1185) T. Hashimoto, T. Doi, A. Shirasaka, C. Watanabe, S. Takeda, Y. Sasaki, H. Ohya, A. Hosokawa, N. Nishina, B. Koki, (1186) K. Ando, S. Hiramori, Y. Soga, Y. Tomoi, S. Tohoku, S. Shirai, M. Hyodo, A. Isotani, T. Domei, S. Kuramitsu, T. Morinaga, M. Hayashi, T. Hiromasa, H. Jinnouchi, A. Nagae, Y. Yamaji, (1187) K. Nakao, T. Honda, T. Sakamoto, S. Miyamoto, E. Taguchi, T. Tsurugi, T. Fukunaga, Y. Tanaka, H. Suzuyama, K. Nishigami, J. Koyama, M. Nagano, H. Okamatsu, K. Kodama, M. Inoue, Y. Konami, M. Kajiwara, T. Wada, S. Ebihara, M. Nakamura, Y. Horibata, M. Sone, Y. Kato, N. Nakanishi, M. Tsunemori, M. Bando, T. Nakayama, T. Kato, Y. Tanigaito, M. Nomoto, T. Sawamura, T. Unoki

Malaysia (247):** (1162) K. Yusoff, C.W. Lim, R. Zainal Rashid, R. Najme Khir, K.S. Ibrahim, (1163) W.A. Wan Azman, G.S. Sridhar, T. Watson, Z. Abu Kassim, A. S. Mahmood Zuhdi, M.I. Abdul Hafidz, (1170) M.R. Abu Hassan, W.F. Wan Rahimi Shah, D. Karthikesan , M.A. Mohd Suan, S.M. Md Ali, (1172) S. Kasim, M.K. Mohd Arshad, J.R. Ismail, Z.O. Ibrahim, N.Y.L. Chua, (1173) A.A. Abdul Rahim, B.I. Rusani, Yap L.B, (1174) D.M. Zamrin, M.A. Amir, N.I. Ismail, A.A. Mohammad Razi

Netherlands (2522):** (1202) F. Prins, (1203) D. Lok, (1204) J. Milhous, (1205) E. Viergever , (1206) F. Willems, (1207) H. Swart, (1209) M. Alings, (1210) R. Breedveld, K. De Vries, (1211) R. Van Der Borgh, (1212) F. Oei, (1213) S. Zoet-Nugteren, (1214) H. Kragten, (1215) J. Herrman, (1217) P. Van Bergen, (1219) M. Gosselink, (1220) E. Hoekstra, (1221) E. Zegers, (1222) E. Ronner, (1223) F. Den Hartog, (1224) G. Bartels, (1225) P. Nierop, (1226) C. Van Der

Zwaan, (1228) J. Van Eck, (1229) E. Van Gorselen, (1230) B. Groenemeijer, (1231) P. Hoogslag, (1232) M. De Groot

Philippines (651):** (1282) A. Loyola, A. Dans, A. Rabe, J. Magno, (1283) D. Sulit, M. Mercado, A. Tang-Manga, (1284) N. Rey, J. Villanueva, L. Evangelista, (1285) M. Abola, L. Padua, M. Gonzales-Tanque, (1286) D. Morales, D. Morales, (1290) E. Palomares, J. Manuel, (1291) M. Abat, R. Santos, (1292) G. Rogelio, (1294) P. Chua, R. Baello, (1301) J. Del Pilar, M. Alianza, (1304) J. Alcaraz, L. Alcaraz, (1308) G. Ebo, I. Guido-Salio, (1310) L. Tirador, E. Estoce, M. Ygpuara, D. Arnaiz, T. Chariza, (1314) J. Cruz, (1315) J. Anonuevo, C. Delos Reyes, (1316) A. Pitargue, R. Guanzon, J. Dimaano, E. Lapena

Poland (518):** (1375) M. Janion, M. Sadowski, A. Janion-Sadowska, (1389) T. J. Guzik, Z. Drewniak, B. Guzik, M. Nowak, K. Nycz, M. Nosal, Ł. Niewiara, (1390) G. Gajos, K. Bury, U. Czubek, M. Misztal, R. Grzybczak, M. Konieczńska, M. Mostowik, J. Zalewski, O. Kruszelnicka-Kwiatkowska, (1391) M. Żabówka, E. Żabówka, P. Kocik, (1393) A. Rynkiewicz, A. Grzybowski, P. Szalkowski, W. Magoń, (1394) M. Broncel, P. Gorzelak, M. Możdżan, M. Olszewska-Banaszczyk, P. Jackowska, M. Obsada, (1397) A. Szuba, K. Skórkowska-Telichowska, B. Sapien-Raczkowska, M. Tabin, A. Chachaj, (1398) D. Czarnecka, A. Kusiak, M. Terlecki, M. Klocek, (1401) P. Maga, A. Belowski, Ł. Drelicharz, T. Nowakowski

Romania (423):** (1978) I. Coman, M. Tarlea, M. Ghionea, C. Gavrilă, (1979) D. Dimulescu, A. Popescu, (1980) D. Vinereanu, C. Stoicescu, V. Vintila, S. Mihailă, M. Florescu, R. Dragoi Galrinho, D. Baghilovici Cretu, R. Mincu, S. Magda, M. Suran, L. Matei, A. Cotoban, D. Mihalcea, L. Lungeanu Juravle, (1981) M. Cinteza, R. Rimbăș, I. Calin, G. Bicescu, N. Vasile-Toma, C. Udrioiu, C. Gherginescu, R. Darabont, N. Patrascu, C. Constantinescu, I. Popescu, (1982) C. Sinescu, C. Andrei, L. Axente, (1983) C. Arsenescu, C. Statescu, I. Ardeleanu, L. Anghel, (1984) I. Benedek, T. Benedek, P. Kinga, B. Dalma-Katalin, (1985) E. Bobescu, B. Doka, (1986) D. Dobreanu, V. Sirbu, R. Rudzik, K. Kantor, I. Sus, (1987) D. Gaita, D. Maximov, D. Brie, S. Mosteoru, I. Olariu, (1988) A. Iancu, M. Marc, R. Hagi, (1989) A. Iliesiu, P. Armean, I. Parvu, A. Deleanu, (1990) D. Lighezan, C. Valentina, R. Buzas, (1992) L. Petrescu, D. Maximov, R. Nicola, R. Dan, S. Crisan, (1993) O. Pirvu, L. Martinas, C. Diaconu, (1994) I. Teodorescu, O. Zara, T. Tiron, (1995) D. Tesloianu, M. Spiridon, (1996) M. Vintila, M. Baluta, (1997) O. Chioncel, E. Stoica, I. Kulcsar, L. Antohi

Russia (682):** (1402) I. Strazhesko, O. Tkacheva, N. Sharashkina, V. Pykhtina, (1403) Y. Vasyuk, E. Shkolnik, A. Khadzegova, I. Sadulaeva, S. Ivanova, E. Nesterova, V. Nesvetov, E. Shupenina, M. Shcherbak, (1405) Z. Sizova, A. Beloborodova, (1407) Y. Pozdnyakov, A. Tarasov, I. Shvedov, S. Zabashta, I. Ryzhikova, (1409) O. Barbarash, T. Pecherina, M. Vatutin, A. Inozemceva, Y. Kazachek, E. Mineeva, T. Kupriyanova, (1410) M. Voevoda, V. Gafarov, E. Gromova, D. Panov, E. Voevoda, N. Kovalkova, Y. Ragino, (1411) T. Poponina, Y. Poponina, N. Garganeeva, (1412) A. Repin, E. Vershinina, E. Borodina, T. Kalashnikova, O. Safyanova, (1414) I. Osipova, O. Antropova, N. Pyrikova, I. Polyakova, A. Gervas, (1415) A. Efremushkina, N. Guryanova, E. Kiseleva, E. Lomteva, T. Shtyrova, (1417) N. Novikova, D. Parfenov, A. Volovchenko, (1418) O. Averkov, E. Pavlikova, L. Vaulina, I. Pletnikova, L. Mishchenko, S. Saranin, I. Tsupko, N. Kuznetsova, (1419) D. Zateyshchikov, E. Dankovtseva, Y. Vlazneva, N. Tolokonnikova, M. Zhurina, E. Zubova, O. Aseycheva, E. Sigalovich, (1421) A. Vertkin, I. Rodiukova, S. Komissarov, R. Sokolova, (1424) A. Ausheva, A. Salbieva, A. Yusubova, S. Isakova

Slovakia (92):** (1968) M. Hranai, P. Obona, P. Cisar, J. Semetko, P. Vanova, Z. Ferencikova, T. Vykoukalova, (1970) L. Gaspar, M. Caprnda, M. Bendzala, (1972) D. Pella, J. Fedacko, (1974) K. Hatalova, P. Cisar, (1975) E. Drozdakova, O. Peter, P. Cisar

South Africa (581):** (1482) P. Commerford, M. Ntsekhe, M. De Andrade, (1485) S. Seedat, M. Gani, (1486) L. Van Zyl, M. Naude, T. Cronje, F. Van Zyl, (1490) J. Engelbrecht, J. Jansen, J. Roos, (1491) E. Makotoko, (1493) S. Mirna, H. Nell, M. Pretorius, M. Basson, X. Njovane, (1495) Z. Mohamed, T. Pillay, S. Dawood, (1497) A. Horak, E. Lloyd, J. Hitzeroth, (1498) T. Mabin, M. Abelson, J. Roos, (1499) E. Klug, M. Gebka, F. Hellig, M. Alison

South Korea (415):** (1522) J. Bae, (1523) C. Kim, (1524) C. Kim, (1525) D. Kim, (1528) S. Joo, (1529) J. Ha, (1531) C. Park, (1532) J. Kim, (1524) Y. Kim

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Italy: (1101) M.L. Lunetto, (1102) D. Savoldi, (1103) M. Fiorini, (1105) F. Ramani, (1106) B. Mariottoni, (1107) D. Rizzotti, (1108) C. Di Matteo, (1110) S. Musio, (1111) S. Pieroni Minciarioli, (1112) S. Serani, (1113) A. Aloisi, (1115) C. Attanasio, (1116) M. Tricoli, V. Giordano, (1119) M. De Tora, (1120) F. Pietrucci, S. Pezzetta, E. Chiminelli, A. Dall'Asta, M. Bennati, A. Elia, M. Bizzoco, A. Iaquaniello, R. Spigarelli, C. Cremonesi, M. Gagliardi, L. Torricelli, (1117) V. Andrioli, V. Biundo, (1118) L. Tullio, D. Schiff, P. Trovarelli, R. Chiodi, S. Sampaolesi, M.T. Cinà, M. Abatello

Japan: (1122) N. Ijichi, K. Shiraiwa, M. Murakami, K. Takeshita, M. Sato, (1123) A. Shiratori, K. Kinjo, K. Tomita, M. Mizuno, F. Kurihara, M. Tachibana, Y. Nitta, (1124) K. Unno, H. Hiramatsu, A. Sano, M. Nanatsumura, I. Tanikawa, K. Uesugi, S. Banno, Y. Yamada, T. Masumoto, J. Tsuda, S. Miyamoto, M. Miyata, A. Kujuji, K. Kawai, A. Maegawa, T. Koseki, (1125) Y. Watanabe, M. Kato, S. Aoki, M. Maesawa, M. Ami, M. Ogawa, (1126) K. Konishi, K. Fujieda, S. Nakade, M. Minami, J. Yoneda, R. Akiyama, M. Takeda, S. Sakai, K. Nakatani, (1127) A. Yamazaki, M. Funama, E. Kaneko, (1128) M. Onishi, A. Sone, N. Sagawa, (1129) F. Iwai, A. Kawahara, C. Hasimoto, M. Ueki, T. Nakamura, (1130) M. Kamiji, M. Ando, M. Makino, M. Yokoo, Y. Okada, H. Yamada, N. Matsushige, A. Nagato, R. Matsumoto, M. Nishikawa, (1131) M. Rokubo, I. Oka, S. Kitou, (1132) M. Tachiuchi, M. Nakagawa, S. Yoneda, K. Iwasa, J. Matsuda, A. Oda, (1133) S. Tokudome, Y. Kaneyuki, N. Maeda, M. Higaki, H. Yoneda, C. Kajita, R. Ushijima, (1134) K. Suwa, E. Sato, T. Nagata, Y. Kubo, (1135) M. Ueno, T. Adachi, A. Umesu, K. Ohashi, M. Takeuchi, N. Nakahara, I. Tanaka, T. Nobehara, R. Yamano, A. Yumiba, M. Yamamoto, (1136) M. Hamada, T. Nishihata, Y. Ohashi, M. Morita, M. Endo, M. Matsugi, (1137) H. Tateishi, R. Nakamori, Y. Yamashita, M. Okabe, M. Matsuo, N. Muraoka, (1138) T. Ono, Y. Shigeyama, M. Ichiyangi, M. Kawai, Y. Kawase, (1139) K.

Sugimori, C. Ohmura, M. Igarashi, S. Aotsuka, (1140) N. Komoda, M. Watanabe, Y. Enomoto, N. Sekine, Y. Suzuki, M. Kawai, A. Kawaguchi, T. Tanaka, A. Kasahara, E. Yasuda, H. Matsumaru, C. Fujiwara, A. Koide, T. Sakatani, T. Kurihara, S. Yokota, R. Futagi, (1141) E. Ono, A. Maeda, K. Kadono, (1142) S. Tanaka, M. Nakagawa, A. Nakatani, Y. Ishiguchi, R. Kikuchi, M. Kuramatsu, E. Nakamura, S. Chiba, A. Higa, (1143) H. Tanaka, T. Ito, M. Oba, Y. Sasaki, M. Tsubouchi, M. Toshima, (1144) M. Morishita, A. Miyano, M. Kondo, K. Watanabe, R. Shibata, (1145) Y. Tosaki, Y. Ito, M. Saoda, E. Yamasaki, S. Kadosaki, S. Motooka, H. Akiyoshi, S. Morio, H. Nemoto, (1146) S. Yoshizawa, N. Okabe, H. Tsugane, K. Semba, N. Sasaki, Y. Nasu, A. Yoshida, (1147) N. Ando, Y. Shigeyama, S. Goto, S. Ito, (1148) Y. Iwashita, A. Takeda, M. Maezato, K. Kawahira, (1149) S. Yoshizawa, N. Okabe, H. Nemoto, S. Tanaka, M. Yoshikawa, (1150) N. Okamoto, (1151) M. Nishimura, Y. Yamashita, R. Nakamori, K. Matsuura, M. Okabe, H. Tateishi, A. Nakayama, M. Matsuo, M. Fukunaga, K. Fukai, (1152) Y. Osakabe, K. Yamamura, (1153) K. Shiraiwa, K. Takahashi, M. Sasaki, M. Goto, N. Fukuzuka, K. Takeshita, M. Murakami, (1154) M. Koike, S. Shibuya, M. Watanabe, T. Nishihata, M. Endo, Y. Miyazaki, (1155) M. Shiramata, Y. Ono, K. Matsuura, (1156) Y. Tsujimoto, K. Ishiyama, T. Tadokoro, N. Morishita, Y. Sasayama, Y. Matsuo, I. Yumoto, S. Sakazaki, R. Hattori, A. Atarashi, Y. Nabata, N. Okuda, (1157) A. Fujita, M. Kato, A. Matsuo, H. Shibata, M. Ootsuka, R. Taimatsu, Y. Ochi, (1158) R. Nakamori, M. Okabe, H. Tateishi, Y. Yamashita, K. Matsuura, A. Takeuchi, M. Fukunaga, (1159) Y. Sumi, M. Nishikawa, F. Yamamoto, Y. Araki, A. Tanaka, (1160) S. Kuroda, T. Kambe, R. Sakata, C. Hirai, N. Okada, Y. Sawada, M. Miyata, T. Kanda, H. Asayama, Y. Imoto, N. Koga, T. Miki, (1161) N. Yamaguchi, A. Hosokawa, A. Hashimoto, C. Fukuike, A. Kubo, A. Tanaka, M. Takata, M. Yamasaki, Y. Mori, S. Nakayama, N. Md Nasir, S. Jaafar, H. Ahmad, S. Ahmad Dahuri, S. Syed Mansor, W. Abdullah, Z. Shafie, S. Muhamad Yunus, S. Alwi, N. Hussin, L. Ling Ling, S. Alwi, N. Naem, S. Takenaka, (1180) Y. Kobayashi, (1181) H. Kotajima, M. Hirahashi, M. Mashima, H. Katsuta, T. Matsumura, (1182) S. Yanagida, N. Watanabe, S. Kodama, M. Kusano, A. Oe, J. Ohara, N. Yamamoto, (1183) K. Suzuki, K. Itami, K. Inoue, E. Arisaka, T. Tsutsumi, K. Ono, T. Miyamoto, Y. Hasebe, (1184) N. Fujita, S. Kubota, (1185) M. Miyata, Y. Sawada, A. Usuki, M. Okamoto, T. Miki, (1186) S. Uno, A. Chikuma, (1187) Y. Sagara, K. Nakano, M. Otaguro, K. Matsuda, Y. Kayashima, E. Taguchi, M. Shinoda

Malaysia: (1162) N. Md Nasir, S.M. Jaafar, S. Baharuddin, (1163) H. Ahmad, S.M. Syed Mansor, (1170) W.M. Abdullah, Z. Shafie, S. Muhamad Yunus, S.M Alwi, N. Hussin, (1173) N.A. Basri, L. Ling Ling, (1174) N.S. Naem

Netherlands: (1202) R. Rutten, R. Rademaker, (1203) M. Van Buijsen, M. Scholten, R. Dommerholt, (1204) S. Stuij, H. Van Houwelingen, (1206) E. Maassen, P. Verhoeven, (1207) C. Terwisscha van Scheltinga, (1209) I. Lauwerijssen, L. Blom, M. Daalmans, (1210) M. Bos, M. van der Wal, G. Van Laerhoven, (1212) T. Jacobs, (1213) J. Van de Gaag, P. Den Boer, (1214) R. Lardinois, C. Coenjaerds, (1215) J. Schoep, (1217) E. Froma, D. Beuving, (1220) J. Krikken, I. Drent, D. Van Der Heide, (1221) S. Buvelot, M. Scholten, (1222) A. Wissenburg, A. Dijkshoorn, D. Van Wijk, (1223) M. Singerling, (1224) Z. Aukema-Wouda, (1225) I. Kort, I. Danse, (1226) T. Schaefer, P. Scholtus, (1228) N. Van der Ven, (1229) I. Drost, (1230) S. Jansen, R. Mulder, A. De Vos, (1232) G. Post

Philippines: (1282) M. Aquino, N. Eodorot, (1283) K. De Castro, M. Flotildes, (1284) T. Mulingtapang, S. Vasquez, (1285) S. Facundo, T. Mararac, (1286) M. Peralta, (1290) M. Jose, (1291) J. Bandiez, K. De Castro, P. Sulit, (1292) F. Joaquin, V. Nogales, M. Reyes, (1294) C. Silva, (1301) D. Delgado, (1304) R. De Leon, (1308) P. Maglasang, C. Alagban, (1310) A. Sian,

M. Ygpuara, (1314) J. Alcorano, (1315) M. Marcelo, (1316) M. Caday, C. Dela Pena, F. Maramba

Poland: (1393) K. Mosakowska

Romania: (1978) I. Cana, (1979) I. Dobrin, (1980) A. Ciobanu, A. Lautaru, (1982) G. Manescu, N. Samoila, (1988) M. Lacatus, (1990) A. Apostoie, (1993) G. Loredana, (1994) M. Prunoiu, M. Tilinca, (1995) A. Budeanu, C. Nedelcu, (1996) N. Dumitrache, (1997) L. Boeru

Russia: (1409) E. Zhuravleva

Slovakia: (1968) M. Gundova, J. Hoffmannova, (1970) M. Svitkova, (1972) T. Pekarova, K. Ujacka, T. Zsoriova, (1974) K. Kubincova, Z. Jankovicova

South Africa: (1482) C. Talliard, (1485) N. Tyumbu, N. Mngoma, M. Kannemeyer, (1490) J. Mostert, (1491) A. Page, C. Krahenbuhl, (1493) C. Tredoux, L. Hendricks, S. Oliver, (1498) M. Le Grange, (1499) V. Naidoo

South Korea: (1522) Y. Bae, H. Kim, J. Lee, (1524) Y. Bae, (1525) N. Yu, (1528) S. An, (1529) E. Kim, J. Lee, (1531) K. Yang, (1532) J. Woo, (1534) S. Kim

Sweden: (1562) S. Smetana, (1564) K. Ajax, L. Bylander, B.I. Carlsson, A. Lindberg, (1565) H. Dellborg, G. Hultsberg-Olsson, (1566) K. Harsmar, A. Knutsson, L. Håkansson, M. Kåveryd-Holmström, (1568) L.M. Lundmark, B. Norrfors, P. Löf, K. Skoglund, (1569) M. Torgersruud, (1570) K. Johansson, A. Mattsson, M. Quist, P. Haglund, (1579) L. Lundell, (1580) S. Gunvasdotter, L.L. Persson, B. Rangman, (1583) R. Liu, J. Shi, (1589) M. Berglund, G. Förstedt, L. Nylund, B. Welin-Berger, (1590) O. Nilsson, A. Garcia-Värlid, E. Ideskog

Switzerland: (1602) L. Chiumiento, M. Mombelli, S. Maspoli, S. Polledri, C. Camporini, G. Ponti, A. Anesini, R. Forlenza

Ukraine: (1615) K. Kaminska, (1622) T. Nagorna

United Kingdom: (1664) E. Brannan, P. Klear, C. Kinsey, G. Young, S. Spencer, M. Gichrist, C. Philips, C. Mitchell-Inwang, V. Cottam, R. Musanhu, (1669) A. Mackin, (1684) A. Turner, (1692) K. Smith, A. Cadd, (1694) J. Evans, L. Phaure, (1699) A. Sevillano, (1707) K. Brodie, A. Eccles, (1708) S. Kelly, (1709) A. Doughty, (1710) J. Gray, (1713) M. Gibson, (1714) M. Finlayson, (1715) S. Kelly.

USA: (1727) D. Domingo, (1729) L. Brazee, (1730) K. Renaud, (1731) A. Doman, (1732) R. Meyer, J. Beatty, (1739) T. Morgan, E. Rodas, (1741) D. Campbell, M. Mcquarrie, (1742) E. Battistelli, (1749) P. Eisenbraun, R. Farley, (1751) H. Park, (1759) J. Dwyer, K. Adams, W. Schneider, (1762) C. Barbour, (1763) E. Whyne, (1764) S. Budzinski, M. Craig, (1767) J. Gilley Elmore, (1768) D. Scott, (1770) S. Bellini, M. Pepper, (1771) K. Gunderson, I. Stipek, (1772) L. Schwarz, (1774) K. Watkins, V. Moore, (1778) A. Palao, (1788) P. Keane-Richmond, L. Franklin, L. Ward, (1789) G. Kostedt, S. Bailey, L. Hollenweger, A. Solomon, (1797) D. Johnson, K. Gloer, (1807) M. Meyer, M. Boleyn, (1815) D. Nieters, (1824) K. Humphrey, A. Bohn, (1831) J. Anderson, G. Mueller, (1835) H. Mckenzie, T. Edwards, (1839) J. Velky, C. Cole, (1840) M. Diederick, (1842) S. Burg, T. Coulson, (1843) K. Karunaratne, R. Gunasekera, (1845) S. Cook, S. Fisher, (1849) K. Garrison, (1850) L. Passey, K. Kuykendall, (1851) K. Luck, (1855) L. Ramia, (1857) H. Joan, (1860) F. Reynoso, M. Farley, (1864) S. Shuman, (1867) E. Santana-Fernandes, (1879) A. Ventimiglia, V. Steele, L. Gers, P. Brown, J. Wilson, J. Freebersyser, M. Reno, N. Buettner, M. MCGovern, T. Hubbard, H. Elmore, D. Payne, M. Mccann, S. Decker, (1881) A. Sharp, E. Forgey, E. Broussard, U. Juett, (1885) A. Ahmed, A. Siddiqui