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**Cardiac PET has a Sensitivity of 95% and Specificity of 95%**

Gould, KL Circ 1994;90:1558-1571

Coverage criteria for approved PET indications

#### Requirements

- PET scan is performed in place of, but NOT in addition to, SPECT.
- PET scan is used following an inconclusive SPECT study. In this case, PET is considered necessary to determine what medical or surgical intervention is required to treat patient.

#### AMA CPT® Stress Code

- 93015 Cardiovascular stress test using maximal or submaximal treadmill or bicycle exercise, continuous electrocardiographic monitoring, and/or pharmacological stress; with physician supervision, interpretation and report.
- 93016 Cardiovascular stress test using maximal or submaximal treadmill or bicycle exercise, continuous electrocardiographic monitoring, and/or pharmacological stress; without physician supervision, interpretation and report.
- 93017 Cardiovascular stress test using maximal or submaximal treadmill or bicycle exercise, continuous electrocardiographic monitoring, and/or pharmacological stress; tracing only, without interpretation and report.
- 93018 Cardiovascular stress test using maximal or submaximal treadmill or bicycle exercise, continuous electrocardiographic monitoring, and/or pharmacological stress; interpretation and report only.

HCPCS Level II Code	APC Code	REV Code	SI	Product	Radiopharmaceutical Description
A9526	0737	0343	K	[ <sup>13</sup> N] Ammonia	Nitrogen N-13 Ammonia, diagnostic, per study dose, up to 40 millicuries
A9552	1651	0343	H	[ <sup>18</sup> F]FDG	Fluorodeoxyglucose F-18 FDG, diagnostic, per study dose, up to 45 millicuries
A9555	1654	0343	H	CardioGen-82®	Rubidium Rb-82, diagnostic, per study dose, up to 60 millicuries
J0152	0917	0636	K	Adenoscan®	Adenosine injection per 30mg
J1245	N/A	0636	N	Persantine IV®	Dipyridamole injection per 10mg
J1250	N/A	0636	N	Dobutrex®	Dobutamine injection per HCL/250mg

#### Codes AMA CPT® Description

- 78459 Myocardial imaging, positron emission tomography (PET), metabolic evaluation.
- 78491 Myocardial imaging, positron emission tomography (PET); single study at rest and/or stress.
- 78492 Myocardial imaging, positron emission tomography (PET); multiple study at rest and/or stress.

The services listed do not include the radiopharmaceutical or drug. Diagnostic and therapeutic radiopharmaceuticals and drugs supplied by the physician should be reported separately using the appropriate supply code(s), in addition to the procedure code.

## Cardiac SPECT Medicare Coverage

HCPCS Level II Code	APC Code	REV Code	SI	Product	Radiopharmaceutical Description
A9500	1600	0343	H	Cardiolite®	Technetium TC-99M Sestamibi, diagnostic, per study dose, up to 40 millicuries
A9502	0705	0343	H	Myoview®	Technetium TC-99M Tetrofosmin, diagnostic, per study dose, up to 40 millicuries
A9505	1603	0343	H	Thallium 201	TL 201 Chloride diagnostic, per mCi
A9560	1673	0343	H	Ultratag or Cold PYP + 99m Tc Code	Technetium TC-99M labeled red blood cell, diagnostic, per study dose, up to 30 millicuries
J0152	0917	0636	K	Adenoscan®	Adenosine injection per 30mg
J1245	N/A	0636	N	Persantine IV®	Dipyridamole injection per 10mg
J1250	N/A	0636	N	Dobutrex®	Dobutamine injection HCL/250mg

### AMA CPT® Stress Code

- 93015 Cardiovascular stress test using maximal or submaximal treadmill or bicycle exercise, continuous electrocardiographic monitoring, and/or pharmacological stress; with physician supervision, interpretation and report.
- 93016 Cardiovascular stress test using maximal or submaximal treadmill or bicycle exercise, continuous electrocardiographic monitoring, and/or pharmacological stress; without physician supervision, interpretation and report.
- 93017 Cardiovascular stress test using maximal or submaximal treadmill or bicycle exercise, continuous electrocardiographic monitoring, and/or pharmacological stress; tracing only, without interpretation and report.
- 93018 Cardiovascular stress test using maximal or submaximal treadmill or bicycle exercise, continuous electrocardiographic monitoring, and/or pharmacological stress; interpretation and report only.

### AMA CPT® Cardiac Imaging

- 78460 Myocardial perfusion imaging; (planar) single study, at rest or stress (exercise and/or pharmacologic): with or without quantification.
- 78461 Myocardial perfusion imaging; multiple studies, (planar) at rest or stress (exercise and/or pharmacologic), and redistribution and/or rest injection: with or without quantification.
- 78464 Myocardial perfusion imaging; tomographic (SPECT) single study, at rest or stress (exercise and/or pharmacologic): with or without quantification: with or without attenuation correction.
- 78465 Myocardial perfusion imaging; tomographic (SPECT) multiple studies, resting and/or stress (exercise and/or pharmacologic): redistribution and/or rest injection, qualitative: with or without quantification: with or without attenuation correction.
- 78472 Cardiac blood pool imaging, gated equilibrium; single study at rest or stress (exercise and/or pharmacologic), wall motion study plus ejection fraction: with or without additional quantitative processing.
- 78473 Cardiac blood pool imaging, gated equilibrium; multiple studies at rest or stress (exercise and/or pharmacologic): wall motion study plus ejection fraction: with or without additional quantification.
- 78478 Myocardial perfusion study with wall motion, qualitative or quantitative study. (List separately in addition to code for primary procedure.)
- 78480 Myocardial perfusion study with ejection fraction, qualitative or quantitative study. (List separately in addition to code for primary procedure.)
- 78481 Cardiac blood pool imaging (planar), first pass technique; single study at rest or stress (exercise and/or pharmacologic): wall motion study plus ejection fraction: with or without additional quantification.
- 78483 Cardiac blood pool imaging (planar), first pass technique; multiple studies at rest or stress (exercise and/or pharmacologic): wall motion study plus ejection fraction: with or without additional quantification.