

Appendix B. Cost for False Positive Radiological Imaging Studies

Type of Scan	FP Rate	Confirmatory interventions	Cost
For 1 CT	14% FP	33% x 14% do a PET = $0.33 \times 0.14 \times \5121.40	\$239.00
		33% + 14% IR biopsy & path reading = $0.33 \times 0.14 \times \2858.56	\$133.40
		Total	\$372.40
For 1 PET	7.7% FP	33% x 7.7% do a CT	$\$.33 \times 0.077 \times 1.796.25$ (average for CT) = \$45.64
		33% x 7.7% IR biopsy & path reading	$\$0.33 \times 0.077 \times 2858.56 = \72.63
		Total	\$118.27
For 1 PET/CT	10% FP	33% x 10% IR biopsy & pathology reading	$0.33 \times 0.1 \times 2858.56 = \94.33
		3.3% x 1 oncology visit \$155.00	$\$0.033 \times 155 = \5.11
		Total	\$99.44

FP = false positive; CT = computerized tomography; PET = positron emission tomography; IR = interventional radiology.