My Patient Has a Pulmonary Nodule

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Management of Nodules

- No replacement for history and clinical acumen
- Goal of algorithm is to provide a guide for managing your patients and your time
- Fleichsner Society Criteria
- Clinical algorithms

Fleischner Society Recommendations Incidental Pulmonary Nodule Follow-up

Recommendations for Follow-up and Management of Nodules Smaller than 8 mm Detected Incidentally at Nonscreening CT

Nodule Size (mm)*	Low-Risk Patient†	High-Risk Patient‡
≤4	No follow-up needed⁵	Follow-up CT at 12 mo; if unchanged, no further follow-up
>4-6	Follow-up CT at 12 mo; if unchanged, no further follow-up!	Initial follow-up CT at 6–12 mo then at 18–24 mo if no change!
>6-8	Initial follow-up CT at 6-12 mo then at 18-24 mo if no change	Initial follow-up CT at 3–6 mo then at 9–12 and 24 mo if no change
>8	Follow-up CT at around 3, 9, and 24 mo, dynamic contrast-enhanced CT, PET, and/or biopsy	Same as for low-risk patient

Note.—Newly detected indeterminate nodule in persons 35 years of age or older.

^{*} Average of length and width.

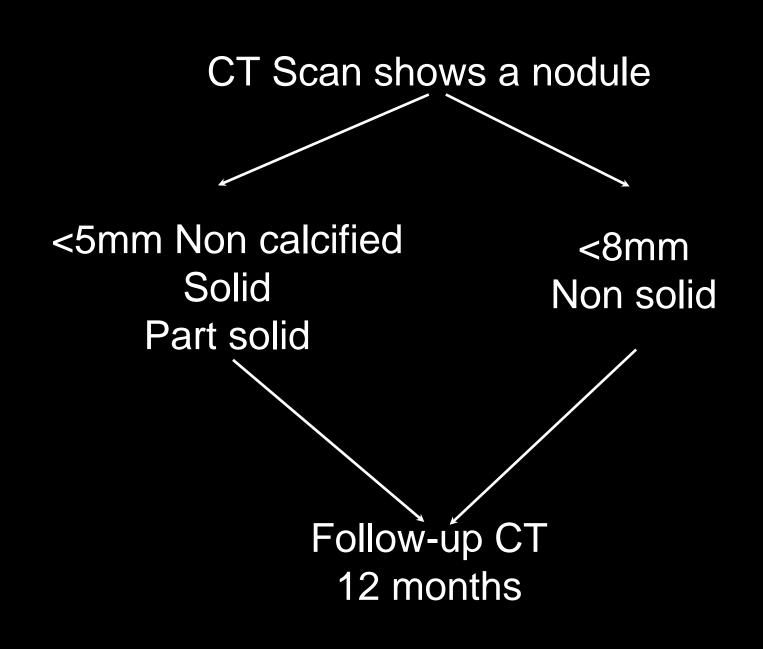
[†] Minimal or absent history of smoking and of other known risk factors.

[‡] History of smoking or of other known risk factors.

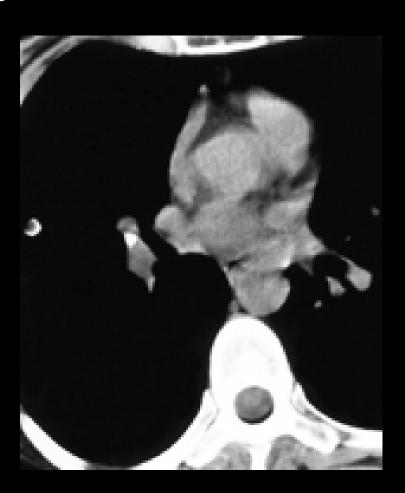
[§] The risk of malignancy in this category (<1%) is substantially less than that in a baseline CT scan of an asymptomatic smoker.

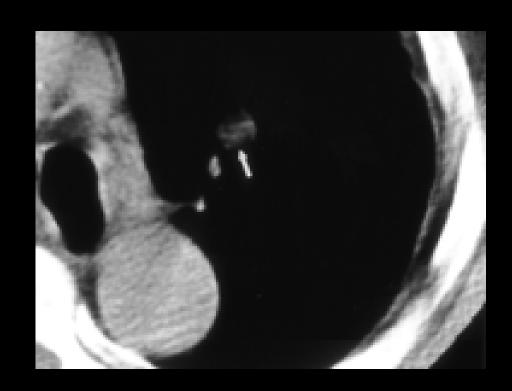
Nonsolid (ground-glass) or partly solid nodules may require longer follow-up to exclude indolent adenocarcinoma.

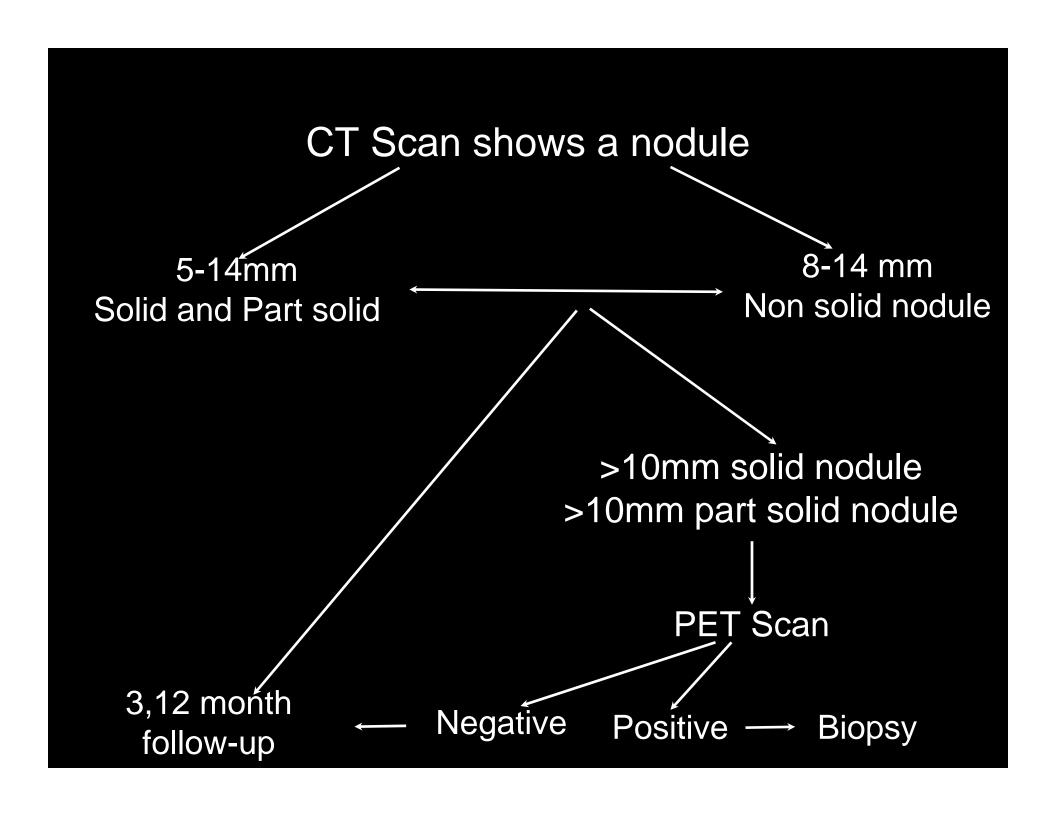




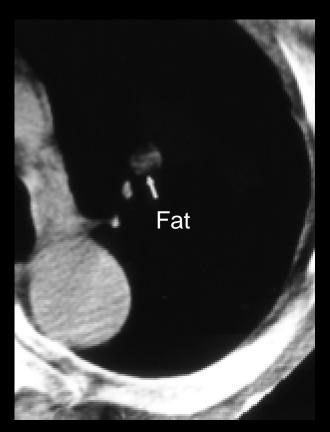
- Solid
- •5 mm
- •12 month

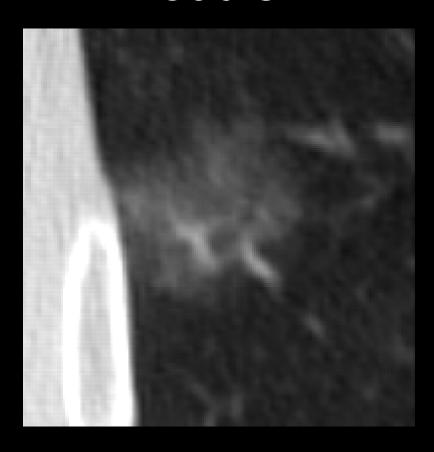


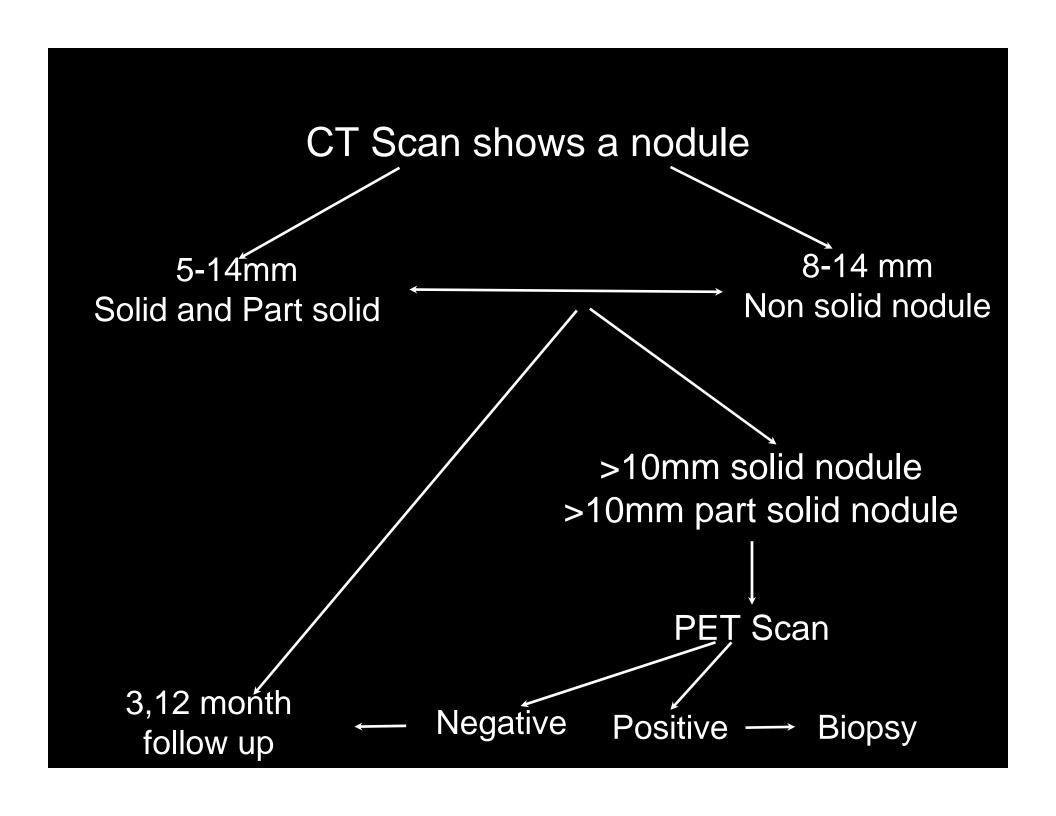




- Solid
- 8 mm
- 3 month
- 12 month







- Semi solid
- •<15 mm
- Non calcified





CT Scan shows a nodule

Non calcified nodule >15mm

Inflammatory/Infectious III defined appearance

+/- Abx

CT Follow-up in 1 month

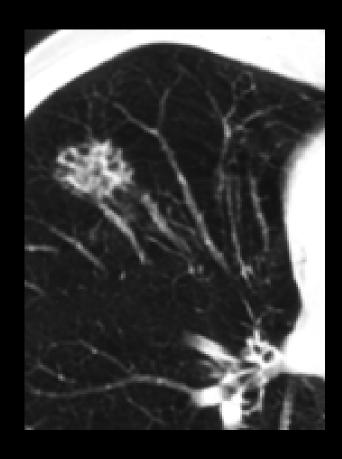
No change

CT Follow-up in 3 months

CT Follow-up in 12 months

Biopsy

- <15 mm
- Solid and non solid components
- Solid component>10 mm
- PET/ 3 month follow-up





CT Scan shows a nodule

Non calcified nodule >15mm

Inflammatory/Infectious III defined appearance

+/- Abx

CT Follow-up in 1 month

No change

CT Follow-up in 3 months

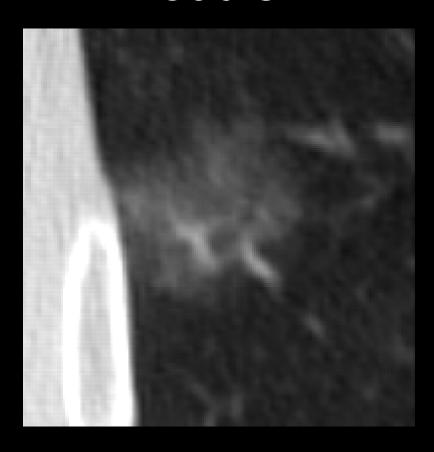
CT Follow-up in 12 months

Biopsy

Features >15 mm

- Solid
- Spiculated
- PET + Biopsy







Non calcified nodule >15mm

Inflammatory/Infectious III defined appearance

+/- Abx

CT Follow-up in 1 month

No change

CT Follow-up in 3 months

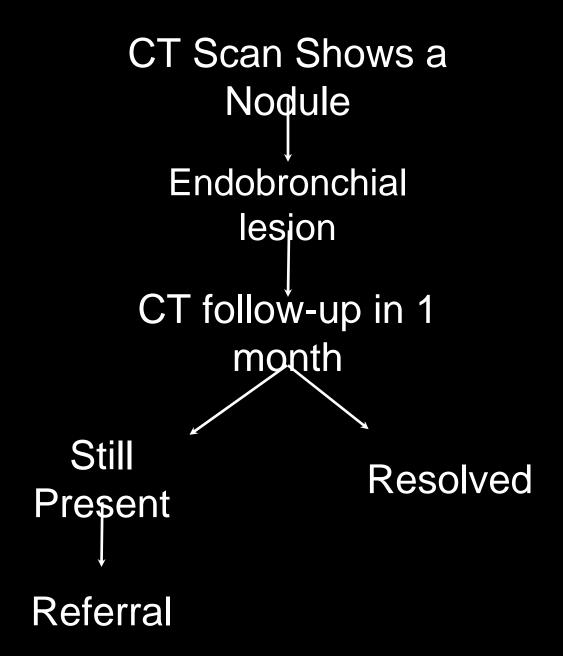
CT Follow-up in 12

months

PET

- Non calcified
- >15mm
- Follow-up





Thank you