

**Mclaren Regional Medical Center
Cancer Program – Performance Improvement**

Study Topic: Adherence to National Comprehensive Cancer Network (NCCN) Guidelines for Lung Cancer.

Objective: To ensure patient treatment plans meet NCCN guidelines.

Measurement: Random sample of 20% of the 2004 analytic lung cancer cases.

Method: Retrospective chart review. A total of 22 cases were reviewed.

Results:

Checklist	Met	Total	Percent
Pathology Review	21	22	95%
H & P (include performance status and weight loss)	Performance Status – 1 Weight Loss – 13	22 22	5% 59%
Chest X-ray	15	22	68%
CT Chest and Upper Abdomen including adrenals	21	22	95%
CBC, Platelets	21	22	95%
Chemistry Profile	13	22	59%
LDH	6	22	27%
Calcium	21	22	95%
LFT	1	22	5%
Smoking cessation counseling	0	7	0%
Pet Scan (optional)	2	2	100%
MRI of Head (small cell ca)	1	4	25%
Bone Scan (if indicated)	5	9	56%
Bone Marrow (optional)	0	0	0%

Findings: Retrospective chart review revealed the following:

1. 95% of the patients had a pathologically confirmed diagnosis.
2. The patient performance status was only documented on 1 patient (5%) and weight loss was only documented on 13 patients (59%).
3. Chest x-ray was documented on 68% of the patients.
4. CT Chest, CBC, Platelets and Calcium was documented on 95% of the patients.
5. Chemistry profile, which included 16 tests, was documented on 59% of the patients.
6. LDH was documented on 27% of the patients.
7. LFT was documented on only 1 patient.
8. Smoking cessation counseling was only applicable to 7 patients (current smokers), none of whom received counseling per medical record documentation.
9. PET Scan, which is optional, was performed on 2 patients.
10. There were 4 patients diagnosed with small cell carcinoma requiring an MRI of the Head. Only 1 patient (25%) had this test performed.
11. Bone Scan, if indicated, was measured according to patient presentation. Only 5 of 9 patients (56%) that had a bone scan performed presented with bone pain.
12. Bone Marrow, which is optional, was not performed on any of the patients in this study.

Recommendations / Actions: