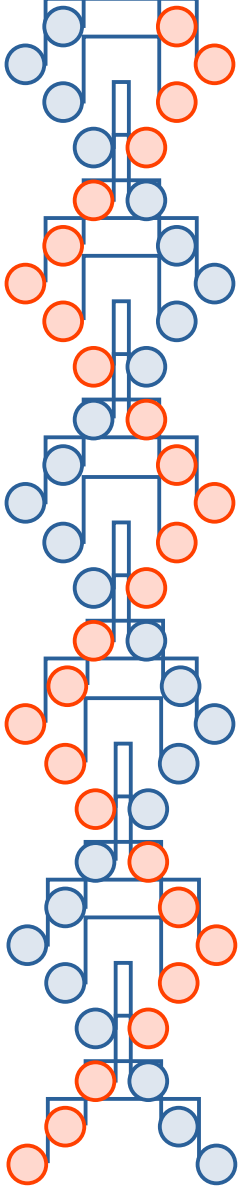


THE DECISION BETWEEN SURGERY, CHEMOTHERAPY AND RADIATION

Principles we should consider:

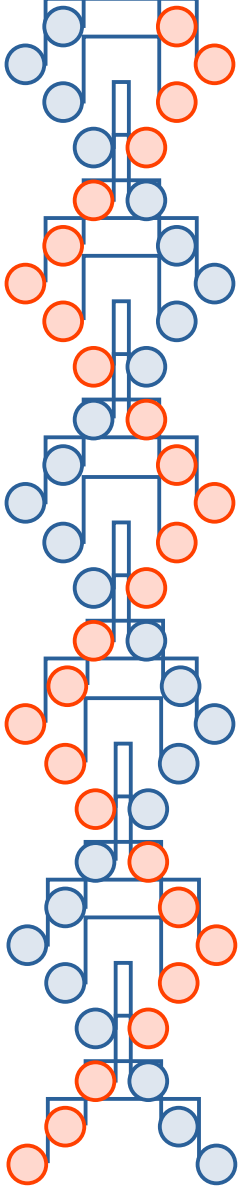
- Every cancer in the lung is lung cancer.
- Lung cancer response to treatment.
- Respectability VS Operability.
- Decision Avenue.



Every cancer in the lung is lung cancer

Primary lung cancer:

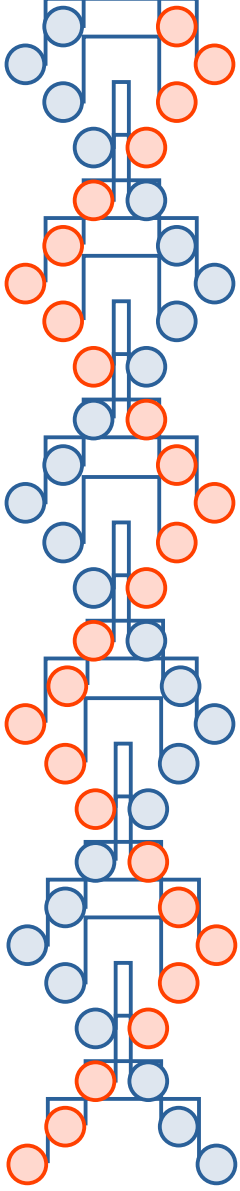
- Small cell carcinoma. 10%
- Non small cell carcinoma. 85%
- Sarcoma.
- Lymphoma.



Every cancer in the lung is lung cancer

Secondary lung cancer:

- Colon
- Breast
- Kidney
- Thyroid

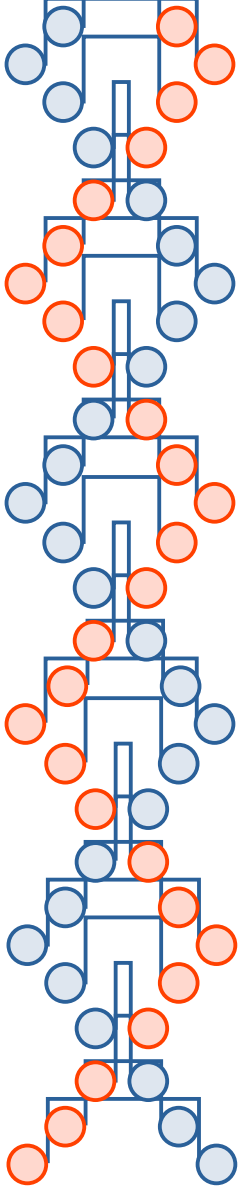


Lung cancer response to treatment

Primary lung cancer:

Small cell lung cancer:

- Chemotherapy is main treatment
- Surgery for localized limited SCLC can improve overall survival 47% vs 21%.

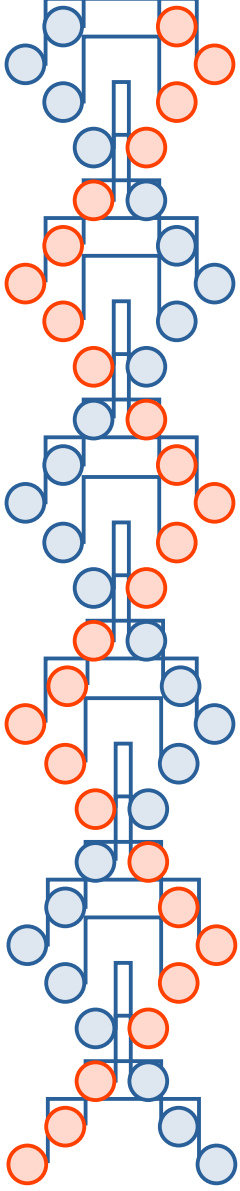


Lung cancer response to treatment

Primary Lung cancer:

Non small cell lung cancer:

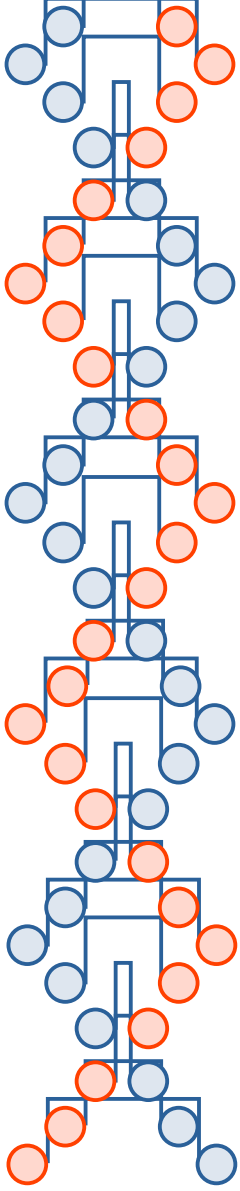
- Surgery is main treatment for Stages I and II
- Surgery has a role in Stage IIIA. Need neoadjuvant immunotherapy
- Surgery has a role in Stage VI adrenal, lung and brain oligometastasis. Need neoadjuvant treatment.



Lung cancer response to treatment

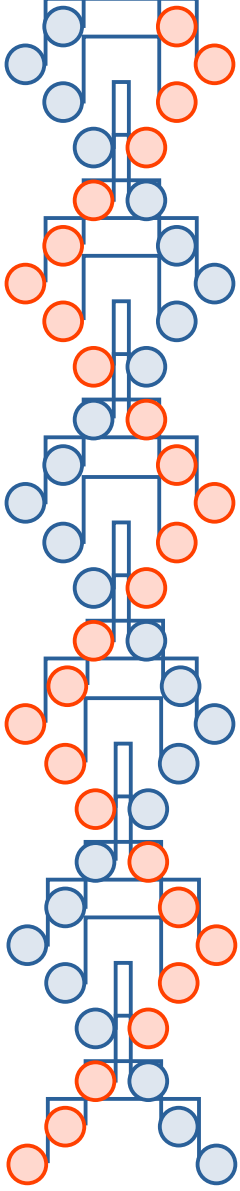
Secondary Lung cancer

- In addition to Chemotherapy/ Radiotherapy, surgery has role in treatment of:
- Metastatic colon cancer.
- Metastatic renal cancer.
- Surgery rarely has a role in metastatic breast cancer
- Surgery has a major role in metastatic thyroid cancer to the lung



Resectability VS Operability

- Resectability: Ability to resect the tumor.
- If the tumor (non-small cell) is unresectable, goes to ChemoRT 87%.
- Operability: Patient's ability to tolerate the surgery.
- If the tumor is resectable but the patient is inoperable, goes to SBRT.



Decision Avenue

LDAP:

- Determines eligibility to EBUS
- Complete preoperative work-up and referral the thoracic surgical associates.

Thoracic Surgical Associates:

- Determines resectability. Performs surgery.
- Keeps the surgical flow in streamline to ensure surgery performed in timely fashion.
- Discuss difficult cases to optimize resectability.
- MCC lung rounds: Meeting of all lung oncology specialists to discuss management of challenging cases.
- Cancer Clinic.