

# Lung oligometastatic disease

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Propositions accompanying the PhD-thesis

## **Lung oligometastatic disease: redefining cancer pathogenesis from a surgical perspective**

Francesco Londero, 8<sup>th</sup> March 2022

1. The oligometastatic pattern of disease is expression of an indolent tumor behavior that is determined by a delicate balance between cancer cells and the host (*This thesis*).
2. Clinically detectable lung metastases actually represent a minority of the secondary tumor colonies originating from the primary tumor (*This thesis*).
3. Presence of intrathoracic lymph nodal involvement in patients with lung oligometastases is expression of an aggressive disease wherein ablative treatments decay from their curative role (*This thesis*).
4. Inflammation and cancer have a reciprocal influence and the evidence of a pronounced systemic inflammation is generally expression of an aggressive tumor behavior (*This thesis*).
5. Compared with other ablative treatments, surgery offers the advantage of providing tissue for molecular histology testing, which, in the era of targeted therapies, offers an invaluable source of information (*This thesis*).
6. The sub-optimal sensitivity of imaging techniques renders thoracotomy and lung palpation necessary for the identification of further lung nodules (*This thesis*).
7. If the models used to understand the nature of metastases do not accurately model the phenomenon, then the lack of progress in managing metastases should not be surprising (Thomas N. Seyfried, *Cancer as a Metabolic Disease*).
8. Unhappy is the land that needs heroes (Bertold Brecht, *Galileo*).
9. Anyone who hasn't had a dog does not know what it means to be loved (*Arthur Schopenhauer*).
10. If people looked for respect more than fame the world would be a far better place (*Francesco Londero*).