Treating lung cancer

The big picture

Lung cancer has been the most common cancer in the world for several decades, accounting for 1 in 5 of all cancer deaths.²

Worldwide: three people die from lung cancer every minute.³

This is more per year than breast, colorectal and prostate cancer combined.⁴

Diagnosis, staging & treatment²,⁵

More than 2/3 of patients are diagnosed with lung cancer at a later stage when their survival chances are lower.

Survival %

<table>
<thead>
<tr>
<th>Staging</th>
<th>Locally advanced</th>
<th>Early</th>
<th>Advanced</th>
</tr>
</thead>
<tbody>
<tr>
<td>Survival %</td>
<td>28%</td>
<td>55%</td>
<td>4%</td>
</tr>
</tbody>
</table>

Staging

Early:

- One lobe involved

Locally advanced:

- A number of lymph nodes in lung and paratracheal

Advanced:

- Other organs also affected

Treatment

<table>
<thead>
<tr>
<th>Staging</th>
<th>Treatment</th>
</tr>
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<tbody>
<tr>
<td>Early</td>
<td>Surgery and chemotherapy</td>
</tr>
<tr>
<td>Locally advanced</td>
<td>Surgery and chemotherapy</td>
</tr>
<tr>
<td>Advanced</td>
<td>Systemic treatment (e.g. targeted therapy/chemotherapy)</td>
</tr>
</tbody>
</table>

During later stages of lung cancer systemic treatments are key.

Of these systemic treatments, targeted therapies e.g. monoclonal antibodies have demonstrated survival benefits for patients.

References

2. WHO. http://www.who.int/mediacentre/factsheets/fs297/en/ Calculation by Roche - 1.59 million deaths per year / 365 days – 4,356 deaths per day / 24 hours = 181 deaths per hour / 60 minutes = 3 deaths per minute
3. GLOBOCAN. http://globocan.iarc.fr/Pages/fact_sheets_cancer.aspx