

- The ALK Project -



A real-world national database and network



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fabio.gomes@christie.nhs.uk Introduction ALK+ NSCLC accounts for ~1,600 cases per year in England. **Enrolled-only Active trusts** trusts The treatment landscape and prognosis of ALK+ patients has been revolutionised in recent years.

• The ALK project is establishing a national collaborative ALK network and database. Its aims are to analyse treatment patterns/outcomes, promote research and establish a collaborative network.

Methods and Materials

- As part of this active project and expanding network, we conducted a multicentre retrospective analysis across 23 active NHS trusts.
- The **ALK+ UK Patient Group** has been supporting the expansion of this network. •
- Eligibility criteria: ALK+ patients who were offered treatment until Sept/2018 with any of the 2nd and 3rd generation ALK inhibitors (ceritinib, alectinib, brigatinib and lorlatinib).
- Primary aim: overall survival (OS) from diagnosis of advanced/metastatic disease.
- Secondary aims: analyse treatment patterns, exposure times to each ALK inhibitor (surrogate of clinical benefit), objective response rate (ORR) and toxicity.



Results

Demographics	n= 132
Age (median)	53y
Female	54%
Never smoker	69%
ECOG-PS 0-1 (at diagnosis)	89%
Advanced/metastatic disease (at diagnosis)	87%
Brain metastasis (at any point)	52%

Treatment patterns	
Chemotherapy (prior to ALK inh)	45%
Immunotherapy (at any point)	6%
ALK genomic re-testing (at any point)	10%
Average number of treatment lines	3



A nationwide collaboration is possible and should be promoted, particularly with rare cancer subtypes. The involvement of patient groups helps shaping projects' aims and identify further unmet needs. The remarkable survival of ALK+ patients mirrors the revolution in the treatment landscape. All efforts should be done to exclude ALK rearrangement, particularly in never smokers due to the significant prognostic implications.