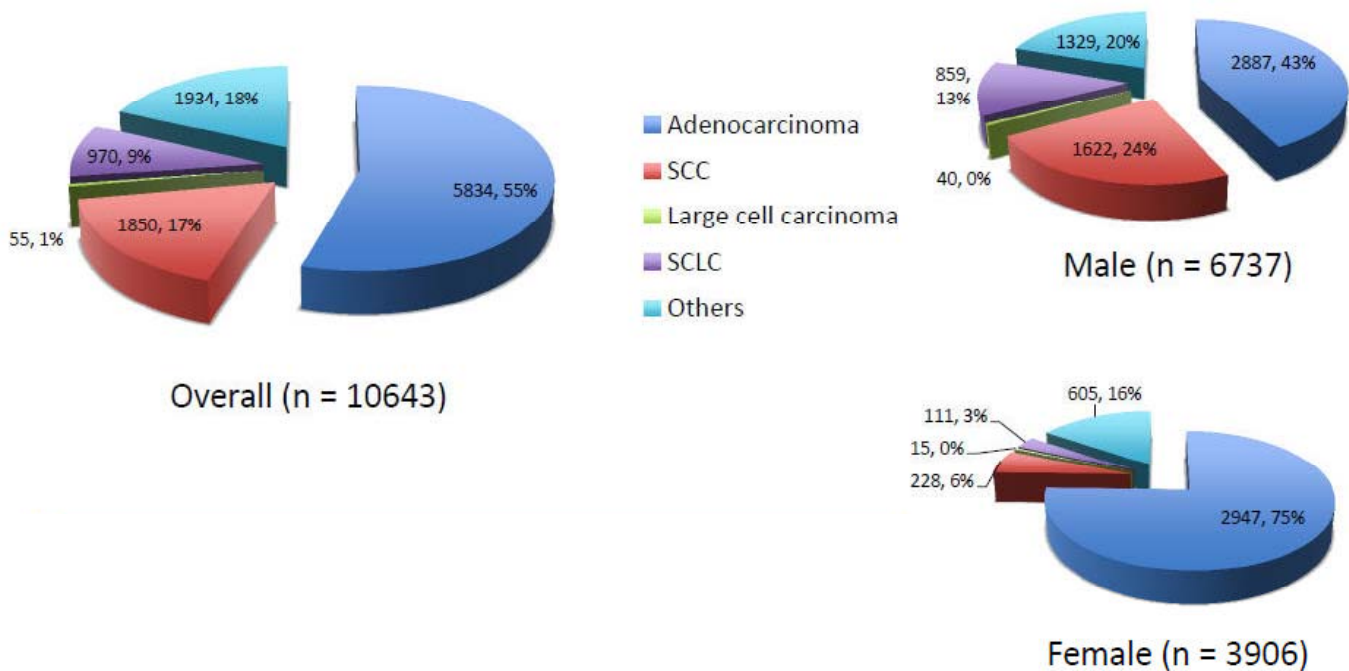


非小細胞肺癌用藥 Crizotinib (Xalkori®) 健保價申覆口頭報告

臺大醫院 施金元 醫師

Jun 18, 2015

NSCLC Histology – Taiwan



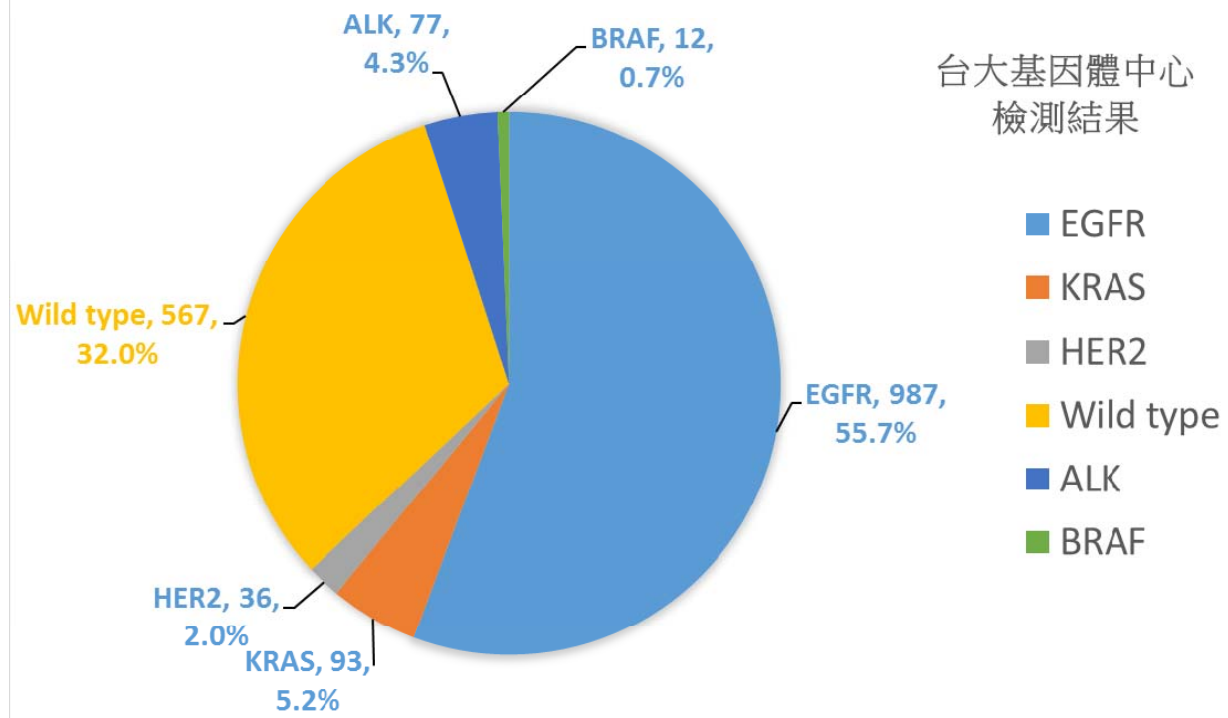
標靶治療

- 標靶：driver mutations-影響細胞生長及存活的信息傳導路徑中某一個基因發生突變。這個突變的基因可以讓正常細胞變成腫瘤並且存活下來(癌細胞過度依賴此腫瘤蛋白，又稱 oncogene addiction)
- 標靶治療的藥物，大多是以小分子化合物，作用在 driver mutations。
- 作用機轉特定，效果增加，副作用減少

肺癌標靶治療主要的藥物

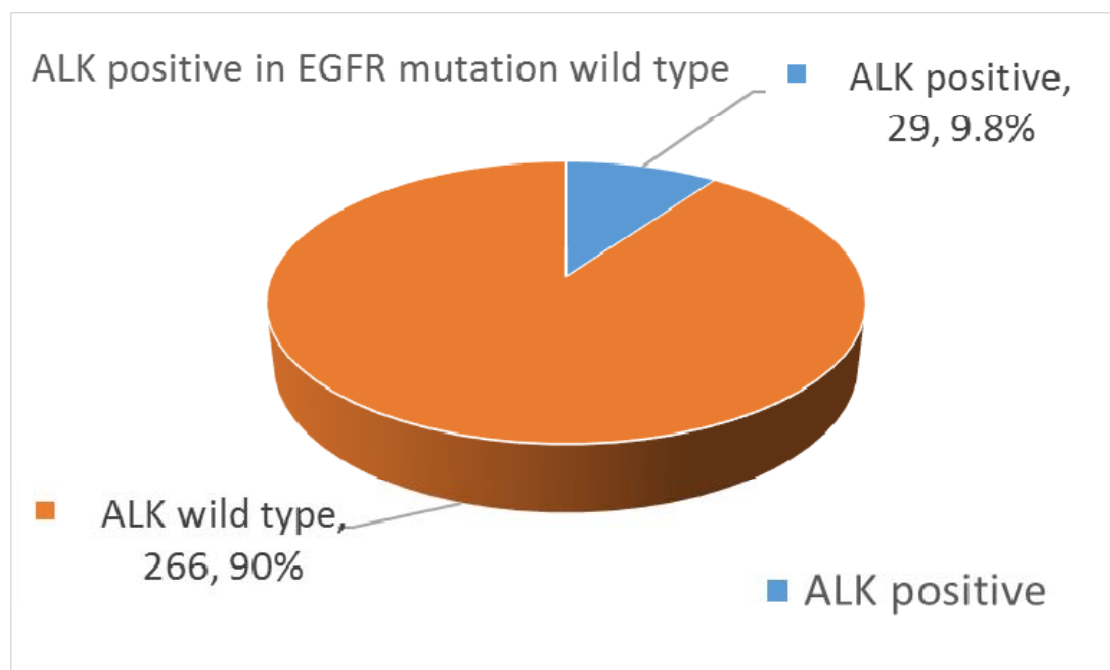
- 上皮生長因子接受器抑制劑(EGFR TKI):
gefitinib (Iressa)、erlotinib (Tarceva)、afatinib (Giotrif)
- 間變性淋巴瘤激酶抑制劑 (ALK TKI):
crizotinib (Xalkori)

台大基因體中心檢測 Lung adenocarcinoma 病人中 ALK positive 比率為 4.3%



ALK 陽性的病人不多，與Iressa 使用族群不同。

台大基因體中心檢測 EGFR mutation wild type 病人中 ALK positive 比率為 9.8%



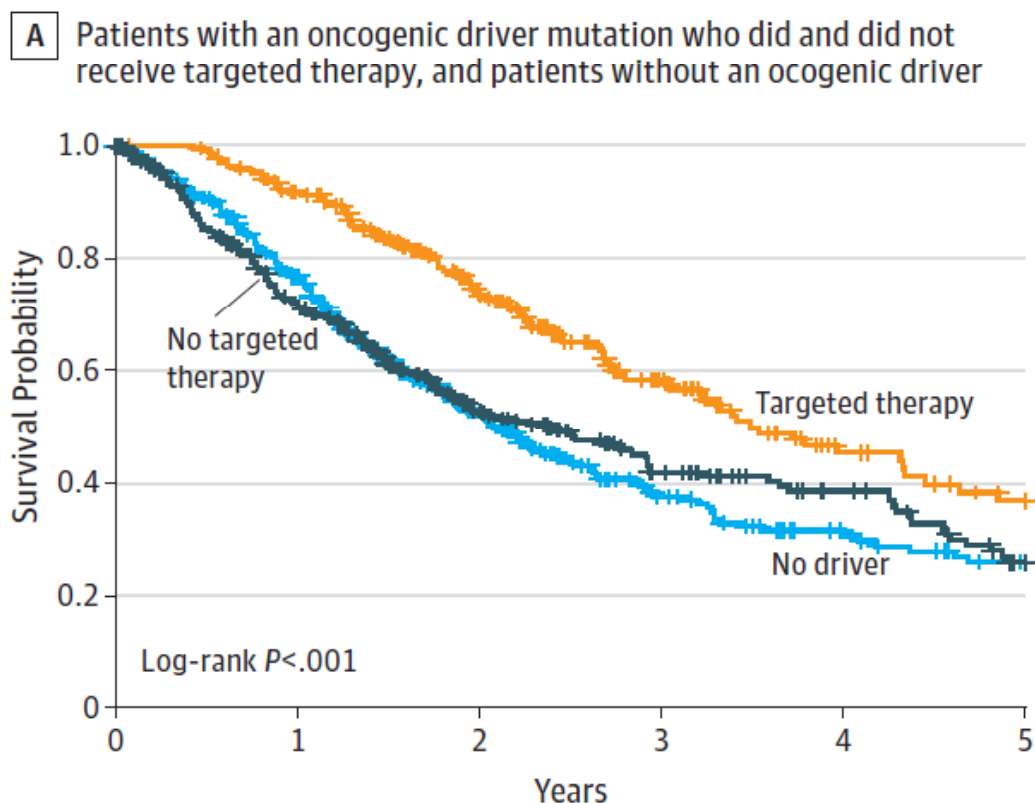
ALK positive 病人特性

Total 29 patients

Characteristics	ALK No (%)	p-value
Age, median	53 y/o (30-78)	
Age (years)		
≤ 65	25 (86%)	0.002
> 65	4 (14%)	
Gender		
Male	12 (41%)	0.331
Female	17 (59%)	
Smoking status		
Non-smokers	21 (72%)	0.167
Current/former smoker	8 (28%)	

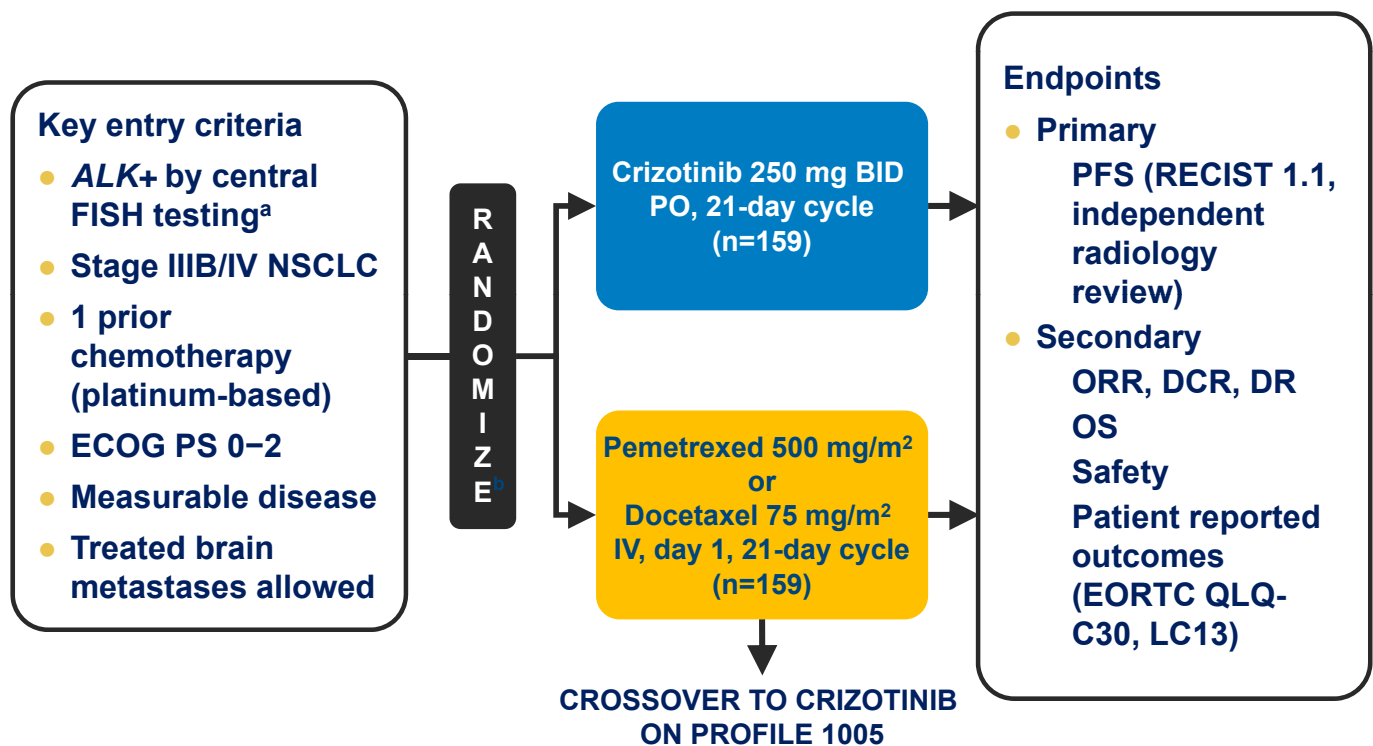
ALK 陽性的病人多為不吸菸、年輕的族群。

Lung Adenocarcinoma pts with drivers receiving a matched targeted agent lived longer



Kris et al JAMA 2014

Crizotinib vs. 化學治療 用於第二線治療



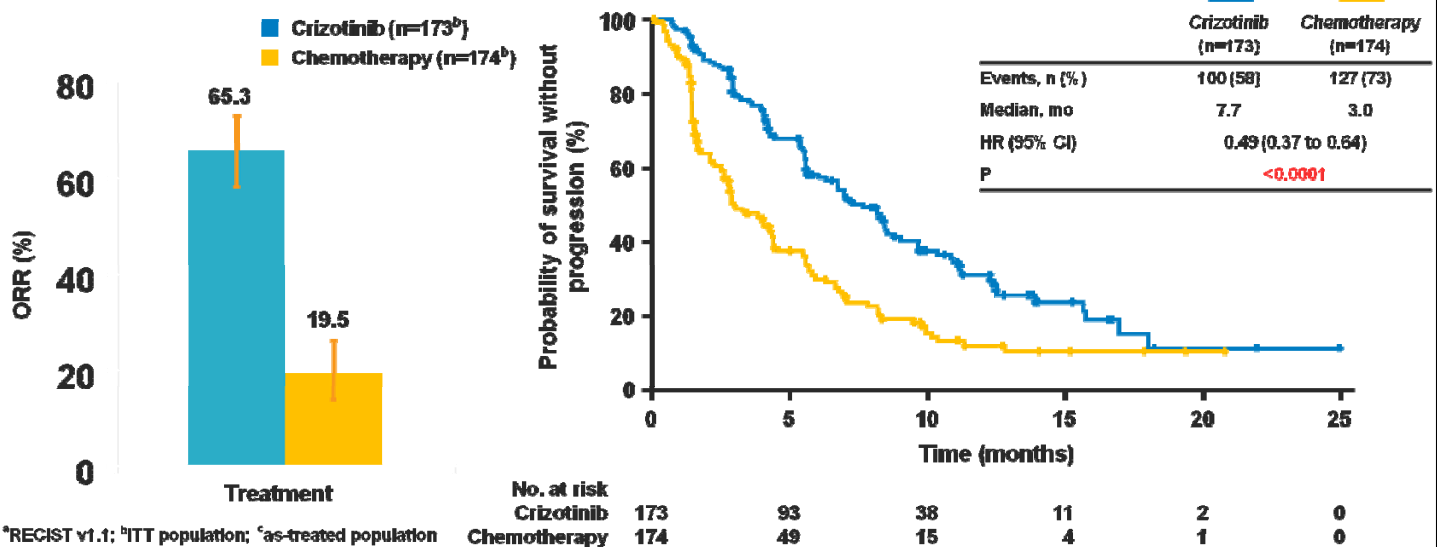
Shaw et al NEJM 2013

^a ALK status determined using standard ALK break-apart FISH assay

^b Stratification factors: ECOG PS (0/1 vs 2), brain metastases (present/absent), and prior EGFR TKI (yes/no)

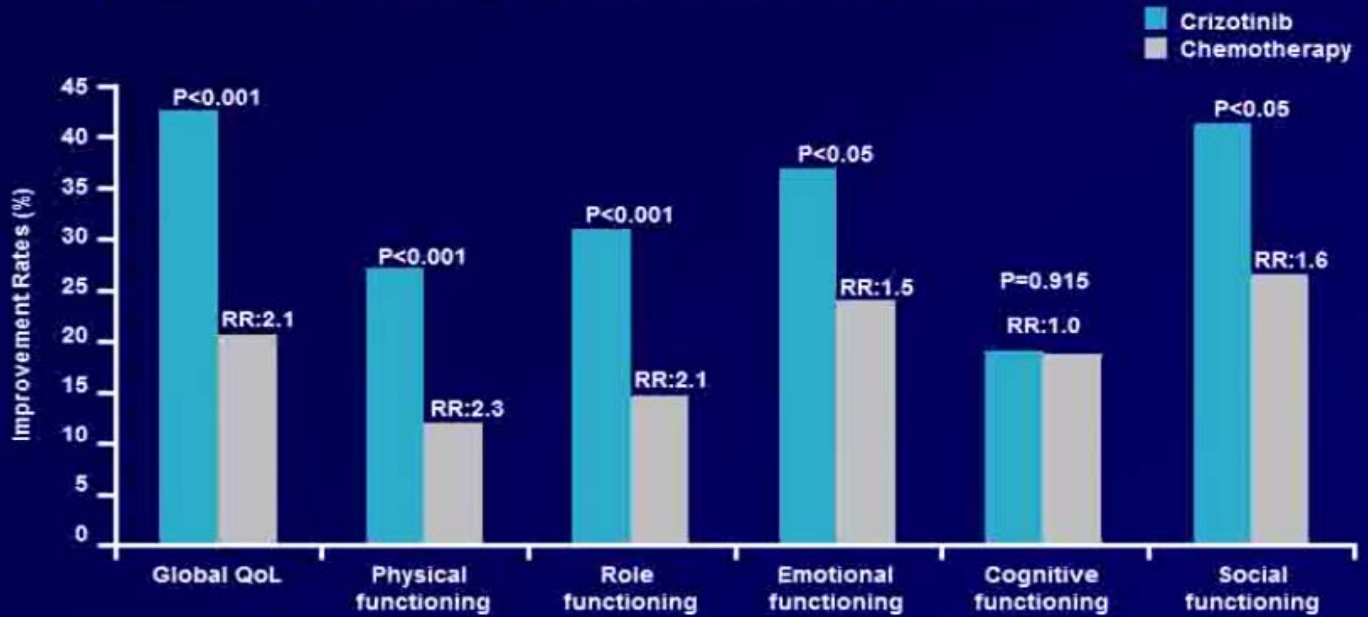
ORR 及 PFS by Independent Radiologic Review

ORR ratio: 3.4 (95% CI: 2.5 to 4.7); P<0.0001



第二線Crizotinib vs. 化學治療 Global QOL

Functioning Domains and Global QOL (EORTC-QLQ-C30) Improvement Rates

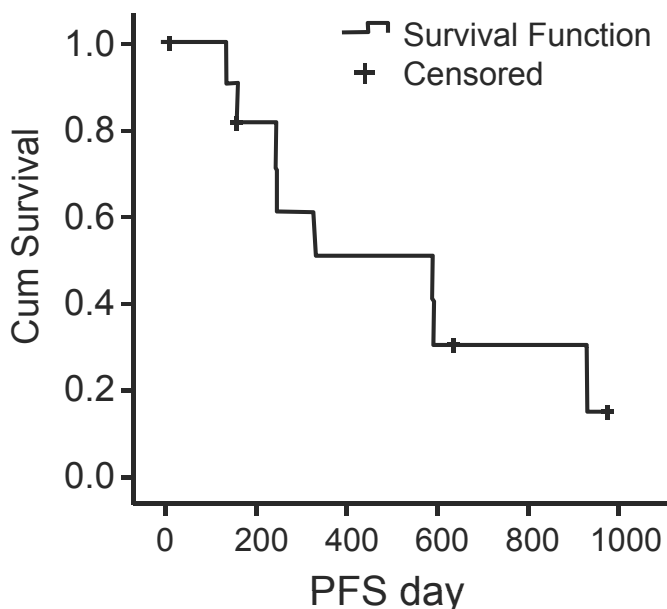


- A significantly greater percentage of patients in the crizotinib versus the chemotherapy arm showed improvements for global QOL, physical, role functioning and emotional functioning

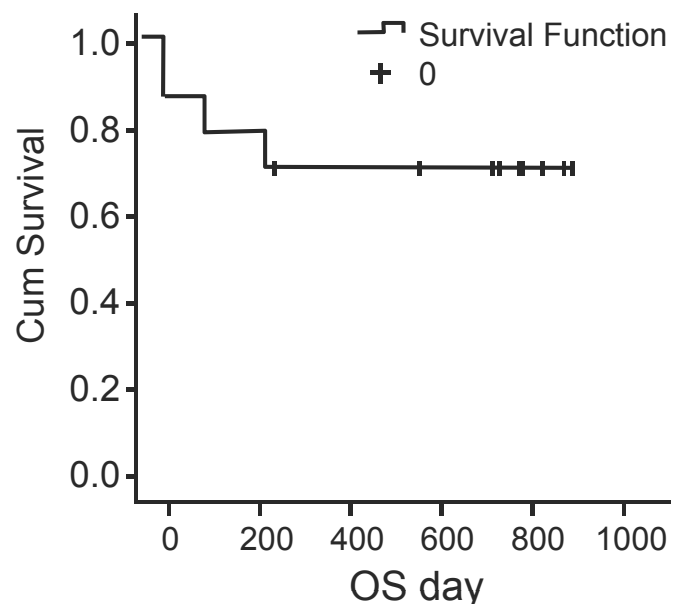
臺大醫院研究者發起之Crizotinib 臨床試驗

N=12

Survival Function



Survival Function



Crizotinib in Critical Patient



49 y/o man, never smoker, diagnosed in 2009/10, 6th line crizotinib

34 y/o female, brain, pelvic metastases, diagnosed in 2012

