

Overcoming Disease Recurrence and Treatment Resistance in HER2-Positive Metastatic Tumors – Tweetorial #3 References

Tweet 4

Oh D-Y, Bang Y-J. HER2-targeted therapies — a role beyond breast cancer. *Nat Rev Clin Oncol.* 2020;17(1):33-48. doi:10.1038/s41571-019-0268-3

Pillai RN, Behera M, Berry LD, et al. HER2 mutations in lung adenocarcinomas: a report from the Lung Cancer Mutation Consortium. *Cancer.* 2017;123(21):4099-4105. doi:10.1002/cncr.30869

Zhao J, Xia Y. Targeting HER2 alterations in non–small-cell lung cancer: a comprehensive review. *JCO Precision Oncology.* 2020;(4):411-425. doi:10.1200/po.19.00333

Tweet 5

Li BT, Smit EF, Goto Y, et al. Trastuzumab deruxtecan in HER2-mutant non-small-cell lung cancer. *N Engl J Med.* 2021;doi:10.1056/NEJMoa2112431

Liu Z, Wu L, Cao J, et al. Clinical characterization of ERBB2 exon 20 insertions and heterogeneity of outcomes responding to afatinib in Chinese lung cancer patients. *Onco Targets Ther.* 2018;11:7323-7331. doi:10.2147/OTT.S173391

Zhao J, Xia Y. Targeting HER2 alterations in non–small-cell lung cancer: a comprehensive review. *JCO Precision Oncology.* 2020;(4):411-425. doi:10.1200/po.19.00333

Tweet 6

Pillai RN, Behera M, Berry LD, et al. HER2 mutations in lung adenocarcinomas: a report from the Lung Cancer Mutation Consortium. *Cancer.* 2017;123(21):4099-4105. doi:10.1002/cncr.30869

Riudavets M, Sullivan I, Abdayem P, Planchard D. Targeting HER2 in non-small-cell lung cancer (NSCLC): a glimpse of hope? An updated review on therapeutic strategies in NSCLC harbouring HER2 alterations. *ESMO Open.* 2021;6(5):100260. doi:10.1016/j.esmoop.2021.100260

Tweet 7

National Comprehensive Cancer Network (NCCN). NCCN Clinical Practice Guidelines in Oncology (NCCN Guidelines®): Non-Small Cell Lung Cancer (v1.2022). Updated December 7, 2021. Accessed January 10, 2022. https://www.nccn.org/professionals/physician_gls/pdf/nscl.pdf

Tweet 9

Li BT, Shen R, Buonocore D, et al. Ado-trastuzumab emtansine for patients with HER2-mutant lung cancers: results from a phase II basket trial. *J Clin Oncol.* 2018;36(24):2532-2537. doi:10.1200/JCO.2018.77.9777

National Comprehensive Cancer Network (NCCN). NCCN Clinical Practice Guidelines in Oncology (NCCN Guidelines®): Non-Small Cell Lung Cancer (v1.2022). Updated December 7, 2021. Accessed January 10, 2022. https://www.nccn.org/professionals/physician_gls/pdf/nscl.pdf

Smit EF, Nakagawa K, Nagasaka M, et al. Trastuzumab deruxtecan (T-DXd; DS-8201) in patients with HER2-mutated metastatic non-small cell lung cancer (NSCLC): Interim results of DESTINY-Lung01. *J Clin Oncol.* 2020;38(15_suppl):9504-9504. doi:10.1200/JCO.2020.38.15_suppl.9504

Tweet 11

Li BT, Shen R, Buonocore D, et al. Ado-trastuzumab emtansine for patients with HER2-mutant lung cancers: results from a phase II basket trial. *J Clin Oncol.* 2018;36(24):2532-2537. doi:10.1200/JCO.2018.77.9777

Tweet 13

ClinicalTrials.gov. DS-8201a in human epidermal growth factor receptor 2 (HER2)-expressing or -mutated non-small cell lung cancer (DESTINY-Lung01). NCT03505710. Updated July 1, 2021. Accessed November 16, 2021. <https://clinicaltrials.gov/ct2/show/NCT03505710>

Li BT, Smit EF, Goto Y, et al. Trastuzumab deruxtecan in HER2-mutant non-small-cell lung cancer. *N Engl J Med.* 2021;doi:10.1056/NEJMoa2112431

Tweet 14

ClinicalTrials.gov. Trastuzumab deruxtecan in participants with HER2-mutated metastatic non-small cell lung cancer (NSCLC) (DESTINY-LUNG02). NCT04644237. Updated July 12, 2021. Accessed November 16, 2021. <https://clinicaltrials.gov/ct2/show/NCT04644237>

Tweet 15

ClinicalTrials.gov. Basket study of tucatinib and trastuzumab in solid tumors with HER2 alterations. NCT04579380. Updated November 9, 2021. Accessed November 17, 2021. <https://clinicaltrials.gov/ct2/show/NCT04579380>

Reck M, Ramos J, Tan S, Stinchcombe T. P47.01 SGNTUC-019: Phase 2 study of tucatinib and trastuzumab in solid tumors: lung cancer cohorts (clinical trial in progress). *J Thorac Oncol.* 2021;16(10):S1096. doi:10.1016/j.jtho.2021.08.494

Glossary

ADC, antibody-drug conjugate
adenoca, adenocarcinoma
a, advanced
AE, adverse event
ALT, alanine aminotransferase
AST, aspartate aminotransferase
DCR, disease control rate
DOR, duration of response
ECOG, Eastern Cooperative Group
F, female
HCP, health care provider
HER2, human epidermal growth factor receptor 2
ILD, interstitial lung disease
LC, lung cancer
m, metastatic
mDOR, median duration of response
mos, months
mOS, median overall survival
mPFS, median progression-free survival
NCCN, national comprehensive cancer network
NSCLC, non-small cell lung cancer
ORR, objective response rate
OS, overall survival
PFS, progression-free survival
Ph, Phase
PS, performance status
Pt(s), patient(s)
QOL, quality of life
SCC, squamous cell carcinoma
T-DM1, trastuzumab emtansine
T-DXd, trastuzumab deruxtecan
TRAE, treatment-related adverse events
Tx, treatment/ therapy, therapies
w/, with
w/o, without