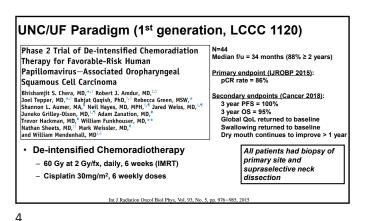


2



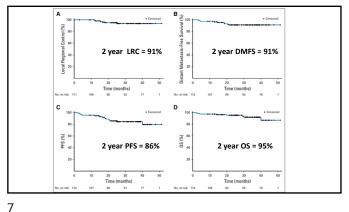


3

Phase II Trial of De-Intensified Chemoradiotherapy for Human Papillomavirus—Associated Oropharyngeal Squamous Cell Carcinoma
Bhishanjit S. Chera, MD<sup>1-2</sup>, Robert J. Amdur, MD<sup>1</sup>, Rebecca Green, MSW<sup>1</sup>, Colette Shen, MD, PhD<sup>1-2</sup>, Gaorav Gupta, MD, PhD<sup>1-2</sup>, Xianning Tan, PhD<sup>1</sup>, Mary Knowles, ANP<sup>1</sup>, David Fried, PhD<sup>1</sup>, Nell Hayes, MPH, MD<sup>1</sup>, Janed Weiss, MD<sup>1-2</sup>, Juneko Grilley-Olson, MD<sup>1-2</sup>, Shetal Patel, MD, PhD<sup>1-2</sup>, Adam Zanation, MD<sup>1</sup>, Trevor Hackman, MD<sup>1</sup>, Jose Zevallos, MPH, MD<sup>2</sup>, Jeffrey Blumberg, MD<sup>1</sup>, Samip Patel, MD<sup>1</sup>, Mohit Kasibhatla, MD<sup>0</sup>, Nathan Sheets, MD<sup>2</sup>; Mark Weissler, MD<sup>1</sup>, Wendell Yarbrough, MMHC, MD<sup>1-2</sup>; and William Mendenhall, MD<sup>0</sup>

Journal of Clinical Oncology

5



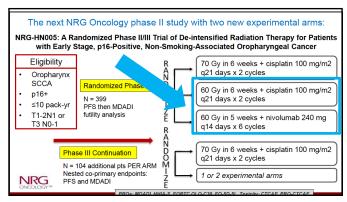


Primary endpoint = PFS Median follow-up is 2.6 years.
2-year PFS estimate for IMRT + C arm is 90.5% (95% CI 84.5-94.7%) with p=0.0350 rejecting the null hypothesis year PFS estimate for IMRT arm is 87.6% (95% CI 81.1-92.5%) with p=0.2284 failing to rejecting the null

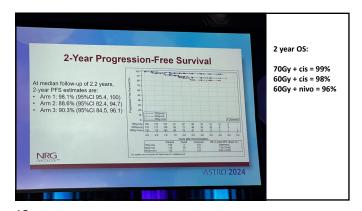
E1308: Phase II Trial of Induction Chemotherapy Followed by Reduced-Dose Radiation and Weekly Cetuximab in Patients With HPV-Associated Resectable Squamous Cell Carcinoma of the Oropharynx— ECOG-ACRIN Cancer Research Group A Phase 2 Trial of Alternative Volumes of Oropharyngeal Irradiation for De-intensification (AVOID): Omission of the Resected Primary Tumor Bed After Transoral Robotic Surgery for Human Papilloma Virus—Related Squamous Cell Carcinoma of the Oropharynx Phase II Randomized Trial of Transoral Surgery and Low-Dose Intensity Modulated Radiation Therapy in Resectable p16+ Locally Advanced Oropharynx Cancer: An ECOG-ACRIN
Cancer Research Group Trial (E3311) OPTIMA: a phase II dose and volume de-escalation trial for human papillomavirus-positive oropharynge -positive oropharyngeal U Chicago Phase II Evaluation of Aggressive Dose De-Escalation for Adjuvant Chemoradiotherapy in **Human Papillomavirus-Associated Oropharynx** Squamous Cell Carcinoma Mayo Clinic

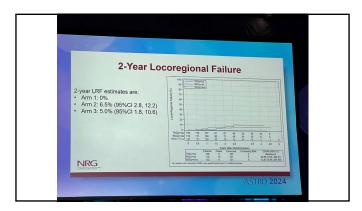
10 9

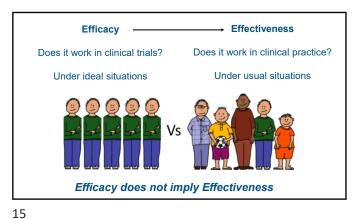
Radiotherapy versus transoral robotic surgery and neck dissection for oropharyngeal squamous cell carcinoma (ORATOR): an open-label, phase 2, randomised trial TORS vs. CRT Assessment of Toxic Effects and Survival in Treatment Deescalation With Radiotherapy vs Transoral Surgery for HPV-Associated Oropharyngeal Squamous Cell Carcinoma The ORATOR2 Phase 2 Randomized Clinical Trial Radiotherapy plus cetuximab or cisplatin in human papillomavirus-positive oropharyngeal cancer (NRG Oncology 70Gy RTOG 1016): a randomised, multicentre, non-inferiority trial Cisplatin vs. Radiotherapy plus cisplatin or cetuximab in low-risk human Cetuximab papillomavirus-positive oropharyngeal cancer (De-ESCALaTE HPV): an open-label randomised controlled phase 3 trial

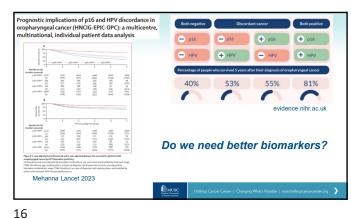


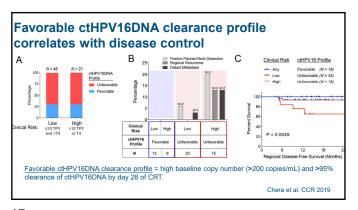
12 11

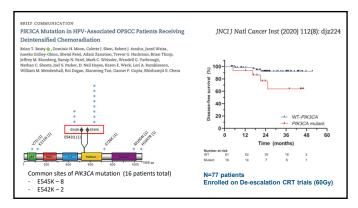


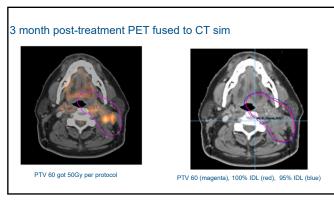


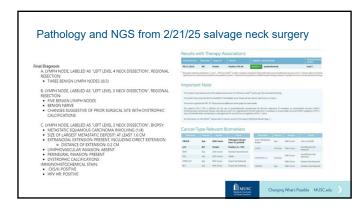




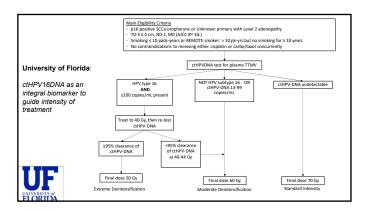








19 20



22

21

## Conclusions and Final Thoughts I personally do not have equipoise → I think we should be de-intensifying Maybe PFS is the wrong endpoint since OS is >95% Salvage treatment more efficacious? Would patients accept a lower cancer control in favor of less toxicity? CtHPVDNA → Better "window" into tumor biology Is it a better biomarker that can be used for more precise patient selection?