**Supplemental Material S3.** The numbers and types of chemotherapy treatment modifications by study arm and participant. Toxicities resulting in a deviation from prescribed chemotherapy regimen were reported in the patient's medical records. In some instances, there were multiple toxicities leading to a change in chemotherapy. A change in treatment was categorized in four ways: (1) dose = change in cisplatin dose from the prescribed cisplatin dose, (2) drug = change in drug from cisplatin to carboplatin, (3) withheld = withholding or postponing a dose of cisplatin, or (4) stop = cessation of the drug treatment before all prescribed doses were administered. A total of 26 patients had modifications to their prescribed chemotherapy regimen, 16 in the A-OM arm and 10 in the UC arm. In addition, 7 patients had multiple instances where the treatment deviated from prescribed regimen. Also see Figure 7 in the main text.

Participant No.	Tumor Location	Indicator of treatment change	Type of treatment deviation	
A-OM Arm				
105	Head/Neck	Ototoxicity	Dose	
138	Head/Neck	Other*	Dose	
141	Head/Neck	Low WBC	Stop	
109	Lung	Nephrotoxicity	Drug	
119	Lung	Gastrointestinal	Dose	
130	Lung	Low WBC Low WBC Patient request	Withheld Withheld Stop	
100	Oropharyngeal	Gastrointestinal	Dose	
117	Oropharyngeal	Nephrotoxicity Gastrointestinal	Dose Stop	
122	Oropharyngeal	Low WBC	Stop	
126	Oropharyngeal	Nephrotoxicity Patient Request	Dose Withheld	
128	Oropharyngeal	Other*	Stop	
133	Oropharyngeal	Nephrotoxicity	Dose	
136	Oropharyngeal	Nephrotoxicity	Drug	
139	Oropharyngeal	Other*	Withheld	
147	Oropharyngeal	Low WBC	Stop	
149	Oropharyngeal	Nephrotoxicity	Dose	
UC Arm				
127	Bladder	Other*	Stop	
111	Head/Neck	Other*	Stop	
104	Lung	Low WBC	Withheld	
107	Lung	Patient Request	Stop	
132	Lung	Ototoxicity	Dose	

Supplemental material, Konrad-Martin et al., "A Randomized Controlled Trial Using Automated Technology for Improving Ototoxicity Monitoring in VA Oncology Patients," AJA, https://doi.org/10.1044/2021 AJA-21-00032

108	Oropharyngeal	Low WBC Low Platelet, Low WBC	Withheld Stop
118	Oropharyngeal	Other*	Stop
134	Oropharyngeal	Nephrotoxicity Gastrointestinal, Other*	Withheld Stop
137	Oropharyngeal	Low WBC Nephrotoxicity Low WBC	Withheld Dose Stop
142	Oropharyngeal	Low RBC, Low WBC Other* Low WBC	Withheld Withheld Stop

Note. WBC = white blood cell count; RBC = red blood cell count. \*Other: Participant number 111 = stopped treatment for nutritional concerns; 118 = stopped treatment due to admission to ICU for hypoxic respiratory failure and aspiration pneumonia; 127 = stopped treatment because the disease was restaged and tumor was resected; 128 = stopped treatment due to multiple mild cytopenias; 134 = stopped treatment admitted to hospital for neutropenic fever, nausea and constipation; 138 = reduced dose due to nutritional concerns and patient fatigue; 139 = withheld a dose as unmanaged diabetes caused nutritional concerns; 142 = withheld a dose due to dehydration, cognition changes and fever.