Cognitive and speech functioning in HNC: baseline prevalence and possible causes Vitória Piai^{1,2}, Kristoffer Dahlslätt, IrmaVerdonck-de Leeuw^{3,4}, Judith Prins⁵, Robert Takes⁵, NET-QUBIC Consortium, Roy Kessels^{1,2}

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INTRODUCTION

- Speech and cognitive deficits in HNC patients prior to treatment^{1,2} but the baseline cognitive impairment is poorly understood
- Chronic alcohol intake and tobacco use, well-known risk factors for HNC³, may also have detrimental effects on cognition

ETHODS

- 580 newly diagnosed HNC patients from the prospective NET-QUBIC cohort
- 74% male, mean age: 64 years (range 19-89)
- Objective cognitive scores (normed): letter fluency, delayed recall (HVLT), TMT-A, TMT-B
- Patient-reported speech handicap⁴, cognitive failures⁵, weekly alcohol intake, tobacco use



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