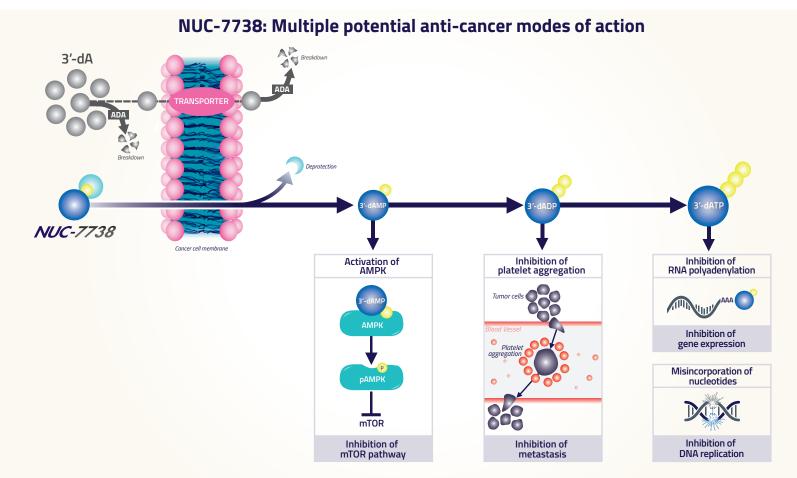
# **NuTide:701** A first-in-human study of NUC-7738, a 3'-dA phosphoramidate, in patients with advanced solid tumours

## BACKGROUND

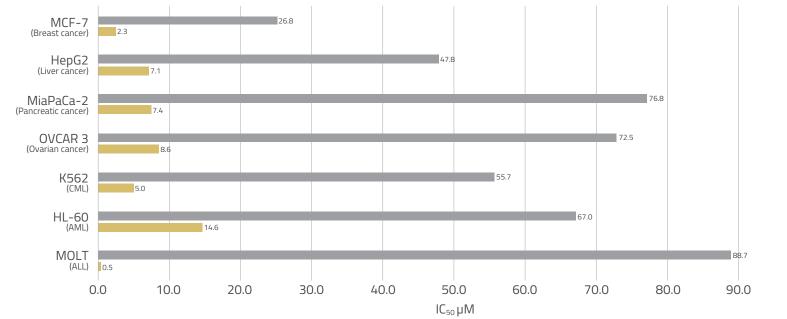
- Nucleoside analogs form the backbone therapy for solid and haematological malignancies
- 3'-deoxvadenosine (3'-dA: cordvcepin) isolated from Cordvceps sinensis
- 3'-deoxyadenosine triphosphate (3'-dATP) causes cell death by inhibiting DNA and RNA replication<sup>1</sup>
- 3'-dA not successful in clinical studies due to cancer resistance mechanisms, including:
- Rapid enzymatic breakdown by adenosine deaminase (ADA)
- Cellular uptake dependent on nucleoside transporters (hENT1)
- Reliance on adenosine kinase (AK) for activation



### NUC-7738: A ProTide transformation of 3'-dA

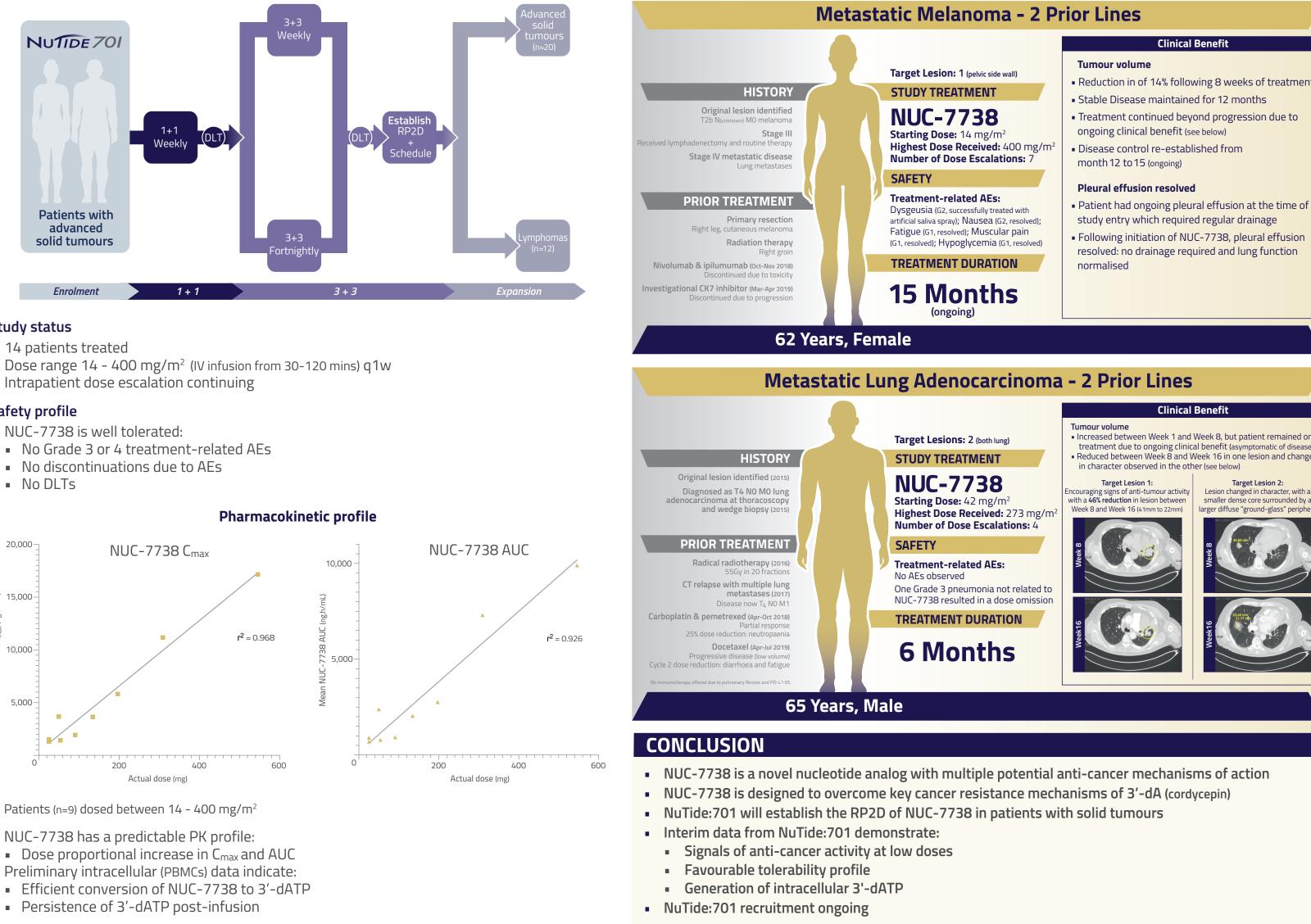
- Overcomes 3'-dA resistance mechanisms;
- Protected from breakdown by ADA
- Cellular uptake independent of nucleoside transporters (hENT1)
- 3'-dATP generation independent of enzymatic activation by AK

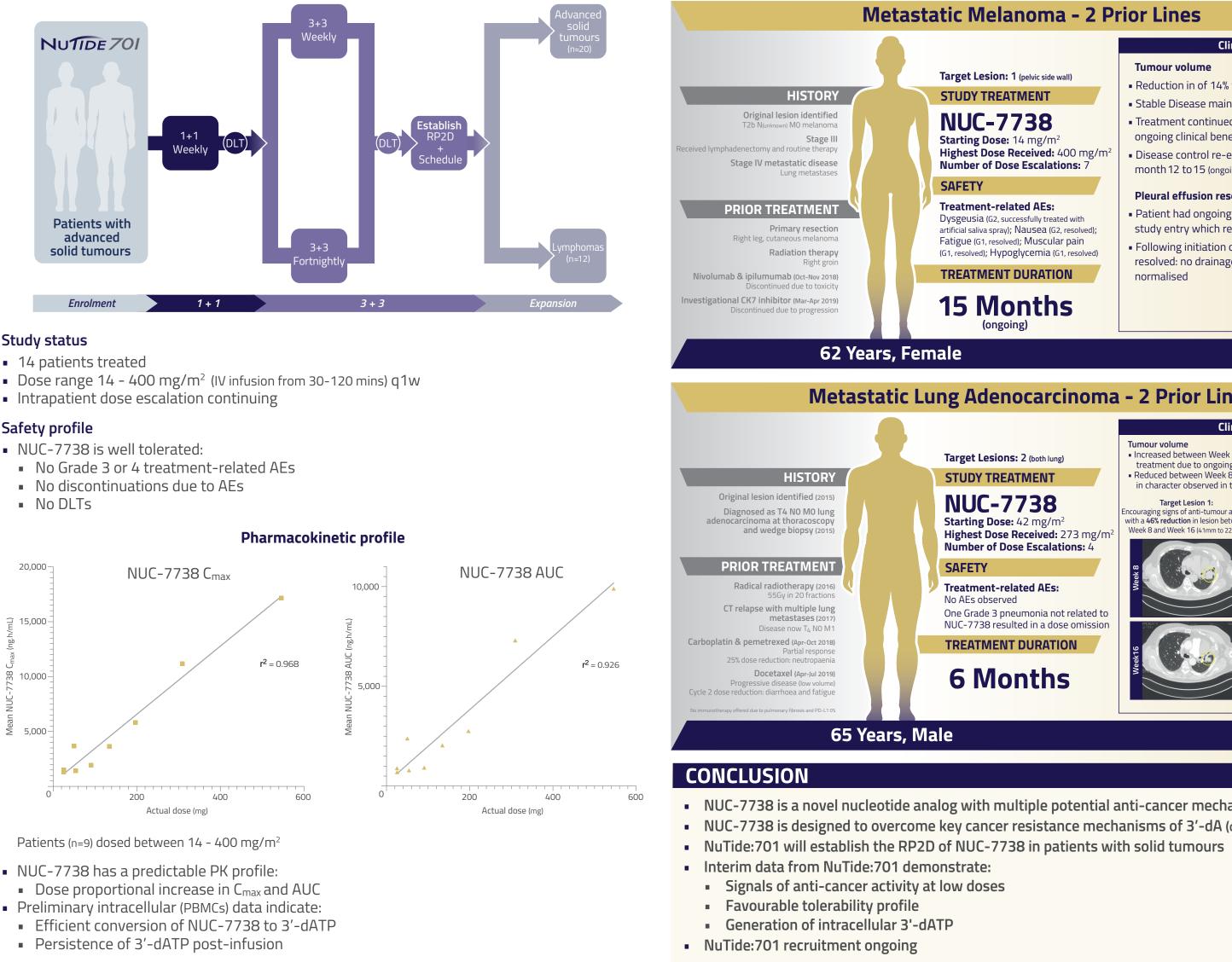




ase AE: adverse event AK: aden

## **NUTIDE:701 STUDY DESIGN**





100.0



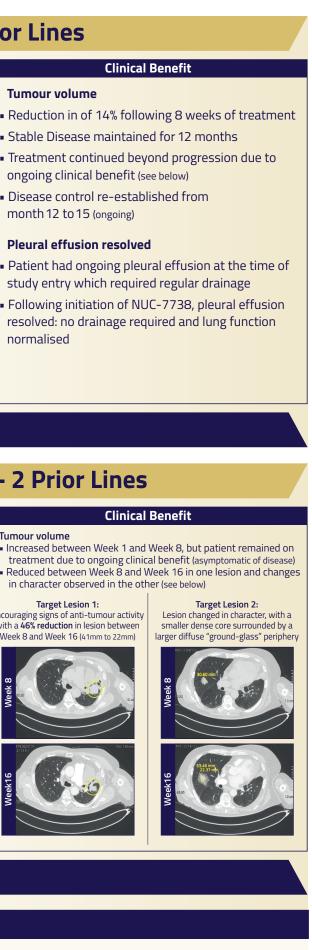
2) Oxford ECMC: University of Oxford, UK

3) Newcastle ECMC: Northern Centre for Cancer Care, Freeman Hospital, Newcastle upon Tyne, Uk

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## **PATIENT CASE STUDIES**





Data cleaning ongoing, data current as of 14 August 202