

NUC-1031 in combination with cisplatin for first-line treatment of patients with advanced biliary tract cancer (NuTide:121)



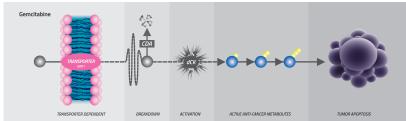
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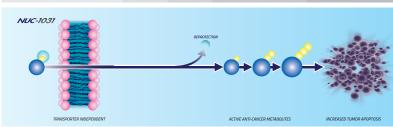
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Background

- No approved agents exist for the treatment of locally advanced/metastatic biliary tract cancer (BTC)
- Current standard of care remains gemcitabine + cisplatin: overall survival (OS) 11.7 months (ABC-02)¹
- Resistance to chemotherapy is associated with poor survival
- Effective new agents and combinations are required

NUC-1031 bypasses the key cancer resistance pathways of gemcitabine







NUC-1031: The first anti-cancer ProTide

- A new class of anti-cancer agents
- ProTide transformation of gemcitabine
- Overcomes key gemcitabine resistance mechanisms²
- Cellular uptake independent of nucleoside transporters (hENT1)
- Activation independent of deoxycvtidine kinase (dCK)
- Protected from breakdown by cytidine deaminase (CDA) In comparison to gemcitabine, NUC-1031 has³
- Greater plasma stability (t_{1/2} 8.3 hours vs 1.5 hours)
- Increased intracellular levels of active anti-cancer metabolite, dFdCTP (217x)
- Reduced toxic metabolites

ABC-08 (Phase Ib study NUC-1031 + cisplatin)

Patient characteristics

- Age ≥ 18 years, ECOG PS 0 or 1
- Histologically or cytologically-confirmed adenocarcinoma of the biliary tract that is locally advanced, unresectable or metastatic
- Intention-to-treat (ITT) population: 14 patients
- Evaluable population: 11 patients completed ≥1 cycle

Safety profile

- NUC-1031 + cisplatin was well-tolerated
- Multiple cycles administered (median 8; range 3.5-14)
- No unexpected adverse events (AEs)
- No dose-limiting toxicities (DLTs)
- Grade 3 AEs included: fatigue (21%), neutropenia (14%), pyrexia (14%), nausea (7%), and increased liver function enzymes (ALT: 14%, AST: 7%)
- No Grade 4 treatment-related AEs
- No patients discontinued due to NUC-1031-related events

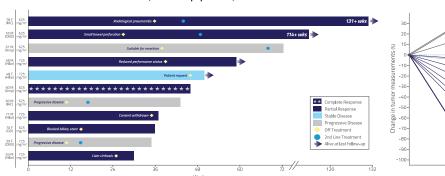
ABC-08 NUC-1031 + cisplatin ITT Evaluable 7% (1/14) Complete Response 0.6% (1/161) Partial Response 43% (6/14) 25.5% (41/161) Objective Response Rate **50%** (7/14) **26.1%** (42/161)

Tumor burden during study treatment

(Evaluable population)

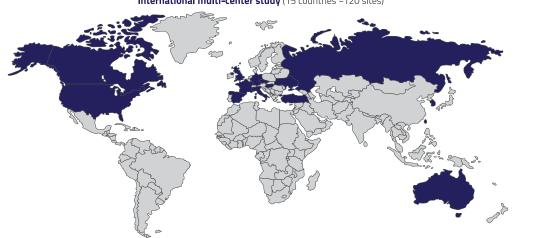
Objective Response Rates in ABC-08 and ABC-02

Treatment duration and best overall response by BTC anatomic site of origin (Evaluable population)



NuTide: 121 (Phase 3 study of NUC-1031 + cisplatin)

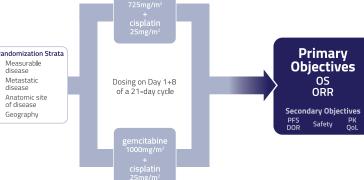
International multi-center study (15 countries ~120 sites)



Inclusion ≥18 years of age Histologically or cytologically-confirmed Randomization Strata adenocarcinoma of the biliary tract (intra and Measurable extra-hepatic cholangiocarcinoma, Metastatic gallbladder, or ampullary cancers) that is locally

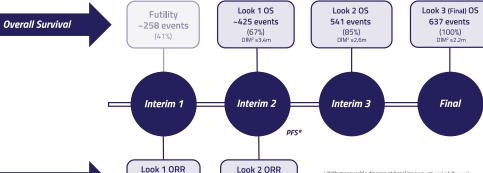
advanced, unresectable of Geography Life expectancy ≥16 weeks

ECOG PS 0 or 1 Adequate biliary drainage with no evidence of ongoing



Interim and final analysis plan

Study design



Overall Response Rate

Look 1 ORR 418 patients (65%)

644 patients1 (100%)

With measurable disease at baseline (and >28 weeks follow-up) 3 DIP = Difference in observed proportions (vs. 19.0%)

Summary

- NUC-1031 + cisplatin shows encouraging efficacy compared to standard of care
- All BTC subtypes sensitive to NUC-1031 + cisplatin
- Durable responses
- NUC-1031 + cisplatin is well-tolerated over multiple cycles

NUTIDE 121 • Global Phase 3 study that will be conducted at ~120 sites across North America, Europe and Asia-Pacific

- NUC-1031 + cisplatin has the potential to improve survival outcomes in patients with BTC
- Further study information: NuTide121@nucana.com