

**A Global Phase 2 Trial of Nanatinostat in
Combination with Valganciclovir in Patients
with EBV-Positive (EBV⁺) Relapsed/Refractory
Peripheral T-Cell Lymphomas (NAVAL-1)**

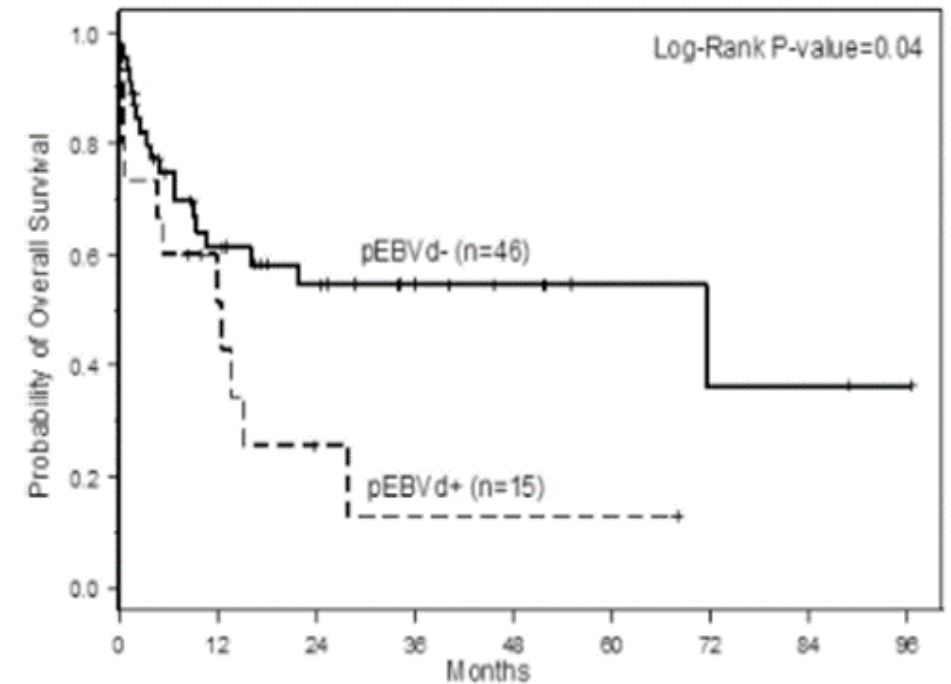
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Epstein-Barr Virus (EBV): A High Global Cancer Priority

EBV⁺ malignancies account for ~2% of new cancer cases globally and associated with adverse survival outcomes

- ~90% of the adult population are infected w/ EBV
- Persists as a life-long latent infection, remaining dormant within cell nuclei
- Latency confers resistance to anti-viral therapies and facilitates evasion of immune detection
- Linked to a variety of cancers
 - >300,000 new cases/year of EBV⁺ lymphomas and solid tumors²
- Poor prognosis
- Responsible for ~180,000 cancer deaths/year²

Peripheral T-Cell Lymphoma¹ (Overall Survival)

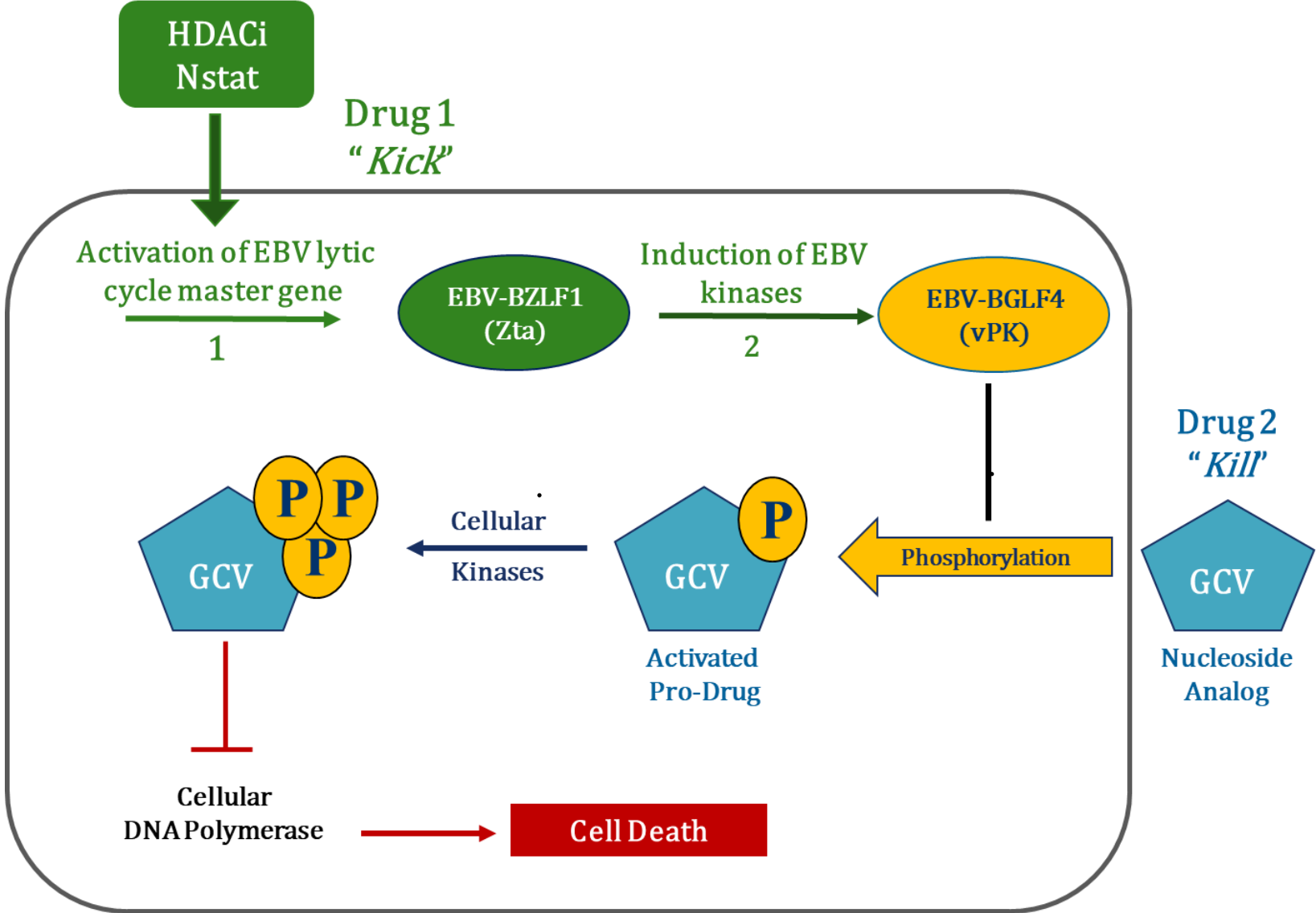


¹Haverkos BM et al. Int J Cancer. 2017; 140:1899-1906; Dupuis J et al. Blood. 2006;108:4163-9² Wu L, et al. Exp. Therapeutic Med. 15: 3687, 2018; Kahn G, et al. BMJ 10:1136, 2020.

Lymphoma Cell with Latent EBV


The “*Kick and Kill*” approach for EBV-associated lymphomas

Sensitizing EBV⁺ tumors to the cytotoxic effects of ganciclovir (GCV)



Study VT3996-201 (Phase 1b/2 Open Label Study) Showed Encouraging Anti-Tumor Activity in Relapsed/Refractory EBV⁺ Lymphoma¹

- 55 patients enrolled across multiple EBV⁺ lymphoma subtypes
 - 13 with nodal PTCL (8 AITL, 5 PTCL-NOS)
 - 8 PTCL patients evaluable for efficacy²
- Eligibility:
 - R/R EBV lymphoma (by local pathology), any histology
 - ≥1 prior therapies with no curative options per Investigator
 - ECOG PS: 0-2

		Study VT3996-201 R/R EBV ⁺ PTCL Data ¹ (n=13)
		Evaluable Patients ³ (n=8)
Response		
ORR	4 (50%)	
CR	3 (38%)	
PR	1	
SD	1	
PD	3	
Clinical Benefit Rate		5 (63%)
DOR	17.3 months	

CR=complete response; PR=partial response; SD=stable disease; PD=progressive disease; ORR=overall response rate

¹Haverkos et al, Blood Adv 2023; 7 (20): 6339–6350; ²Pereira et al, Hematol Transfus Cell Ther 2023; 45 (2) S344-S345, ²Data presented at HEMO 2023, ³Evaluable patients: EBER-ISH+ with ≥1 post-treatment response assessment

NAVAL-1 Trial Design: Pivotal Phase 2 Study in Patients with R/R EBV⁺ Lymphoma

Global study with an adaptive Simon 2-stage design

Patient population:

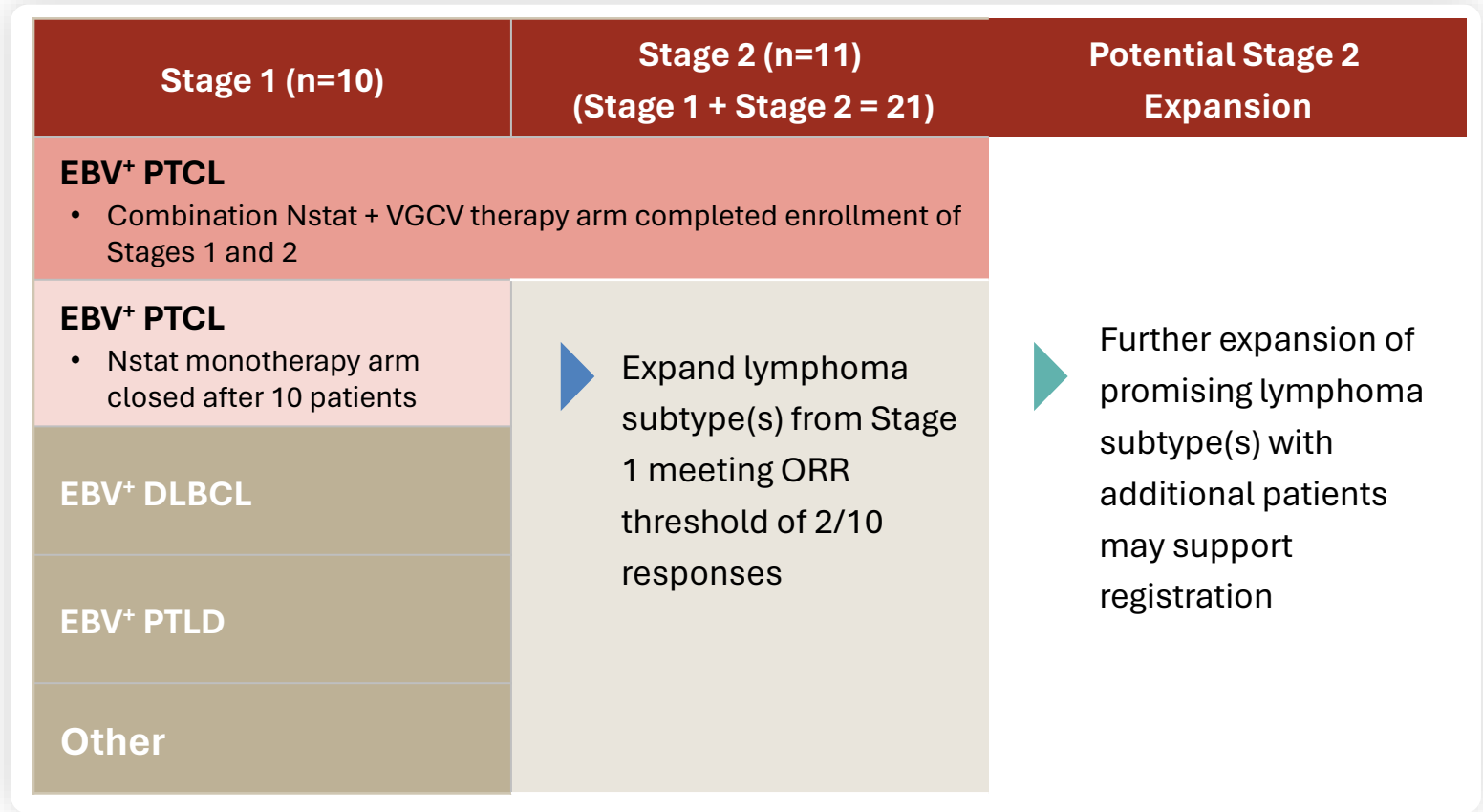
- R/R EBV⁺ lymphoma with ≥ 1 prior therapies and no curative options

PTCL cohort randomization:

- Patients randomized to either combination Nstat + VGCV therapy or Nstat monotherapy in Stage 1

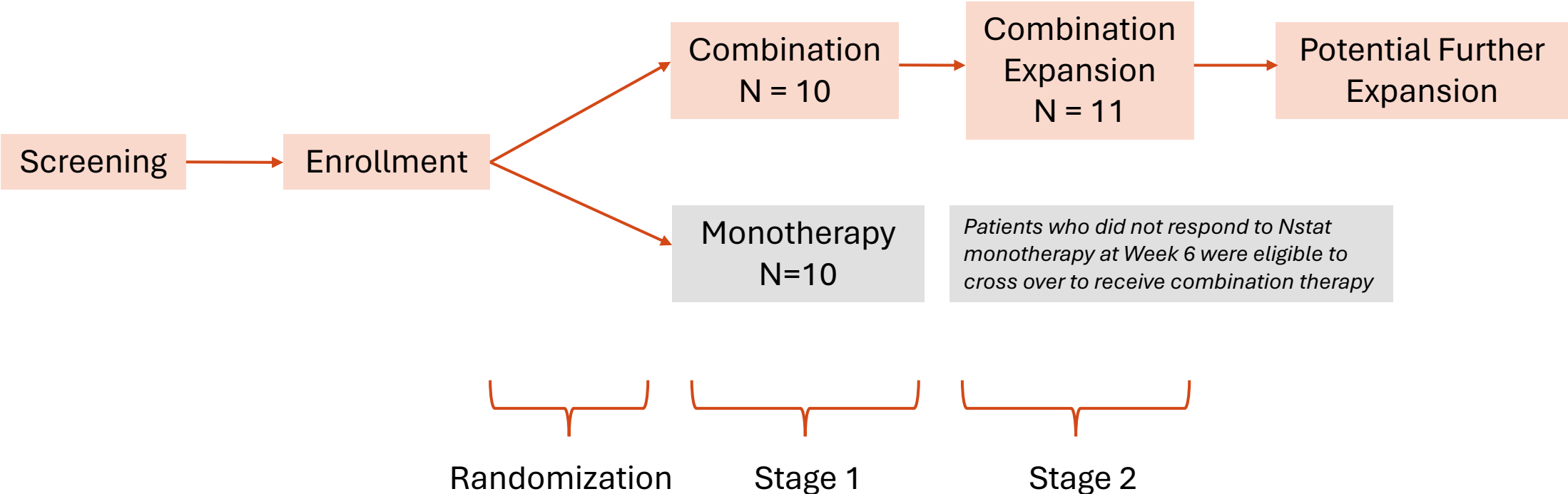
Primary endpoint:

- Objective response rate (ORR) by independent central review
- Potential to further expand indications with promising anti-tumor activity after Stage 2



NAVAL-1 R/R EBV+ PTCL Arm Study Design

Stage 1 Data (N=20) to be Shared Today



NAVAL-1 Trial: Stage 1 Demographics for Patients with R/R EBV⁺ PTCL

65% of patients with ≥2 prior lines of therapy; 75% with advanced disease

Characteristic	Patients Enrolled in Stage 1 (N = 20*)
Median age (y), [range]	69 [47-78]
Male / Female	16 / 4
ECOG performance status, Unknown / 0 / 1 / 2	1 / 4 / 14 / 1
Ethnicity <ul style="list-style-type: none"> • WHITE • ASIAN • BLACK OR AFRICAN AMERICAN • NOT REPORTED 	10 (50%) 7 (35%) 2 (10%) 1 (5%)
Prior lines of therapy <ul style="list-style-type: none"> • 1 • 2 • ≥3 	7 (35%) 7 (35%) 6 (30%)
Median number of prior therapies [range]	2 [1-6]
Stage <ul style="list-style-type: none"> • Unknown • I-II • III-IV 	2 (10%) 3 (15%) 15 (75%)

*10 patients received combination Nstat + VGCV therapy and 10 patients received Nstat monotherapy

Combination Nstat + VGCV Therapy Provides Substantially Greater Anti-Tumor Response Than Nstat Monotherapy

NAVAL-1 Stage 1 Responses by Treatment Subgroup and Analysis Population

Intent-to-Treat Population¹

PTCL Treatment Subgroup	ORR	CRR
Nstat + VGCV, Stage 1 (n=10)	5/10 (50%)	2/10 (20%)
Nstat monotherapy, Stage 1 (n=10)	1/10 (10%)	0/10 (0%)

Efficacy-Evaluable Population^{1, 2}


PTCL Treatment Subgroup	ORR	CRR
Nstat + VGCV, Stage 1 (n=7)	5/7 (71%)	2/7 (29%)
Nstat monotherapy, Stage 1 (n=8)	1/8 (13%)	0/8 (0%)


ORR, overall response rate; CRR, complete response rate

¹Investigator assessed; ²Eligible patients who had at least 1 post-baseline radiographic assessment

Consistent and Robust Anti-tumor Activity Demonstrated Across Clinical Trials of Nstat + VGCV

Study 201 (Phase 1b/2 study) vs NAVAL-1 trial: Comparison of evaluable patients

		Study 201: Combination Nstat + VGCV Therapy¹ (n=13)
		Evaluable Patients (n=8)
Response		
ORR		4 (50%)
CR		3 (38%)
PR		1
SD		1
PD		3
Clinical Benefit Rate		5 (63%)
Data Cutoff		May 4, 2023

		Combination Nstat + VGCV Therapy (n=10)
		Evaluable Patients (n=7)
Response		
ORR		5 (71%)
CR		2 (29%)
PR		3
SD		0
PD		2
Clinical Benefit Rate		5 (71%)
Data Cutoff		Feb 7, 2024

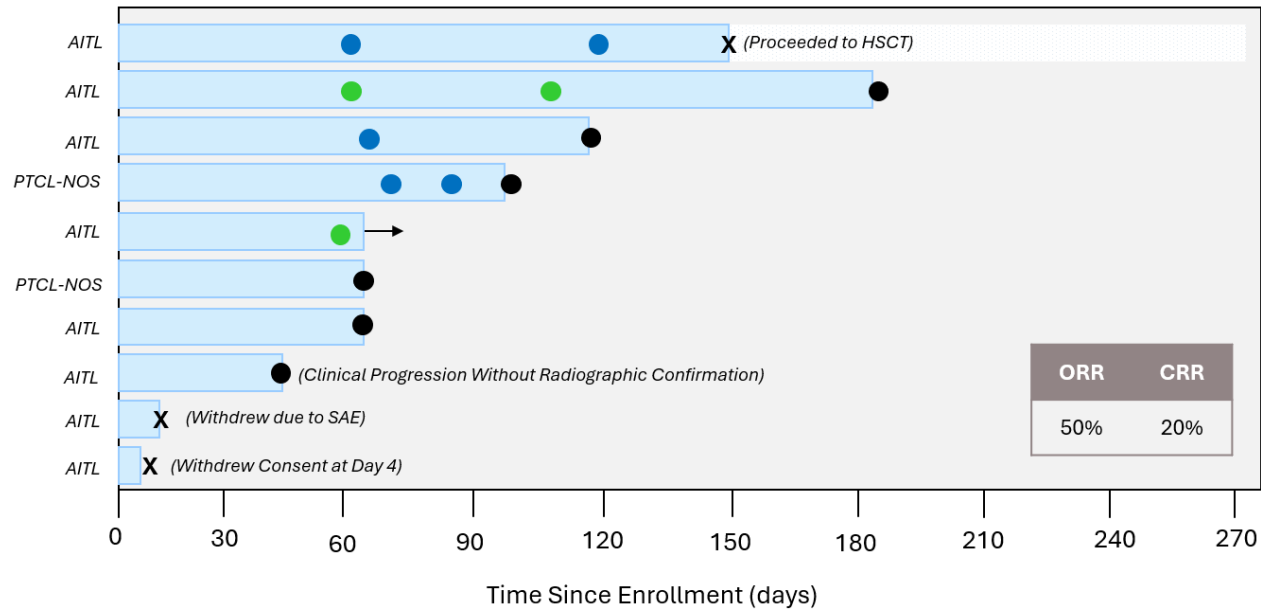
CR=complete response; PR=partial response; SD=stable disease; PD=progressive disease; ORR=overall response rate, Clinical Benefit Rate=CR+PR+SD

¹Pereira et al, Hematol Transfus Cell Ther 2023

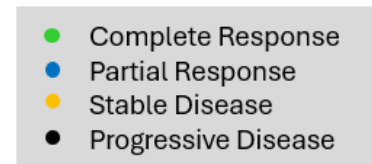
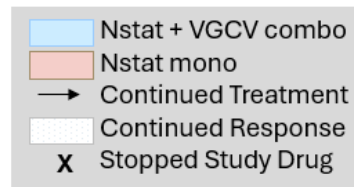
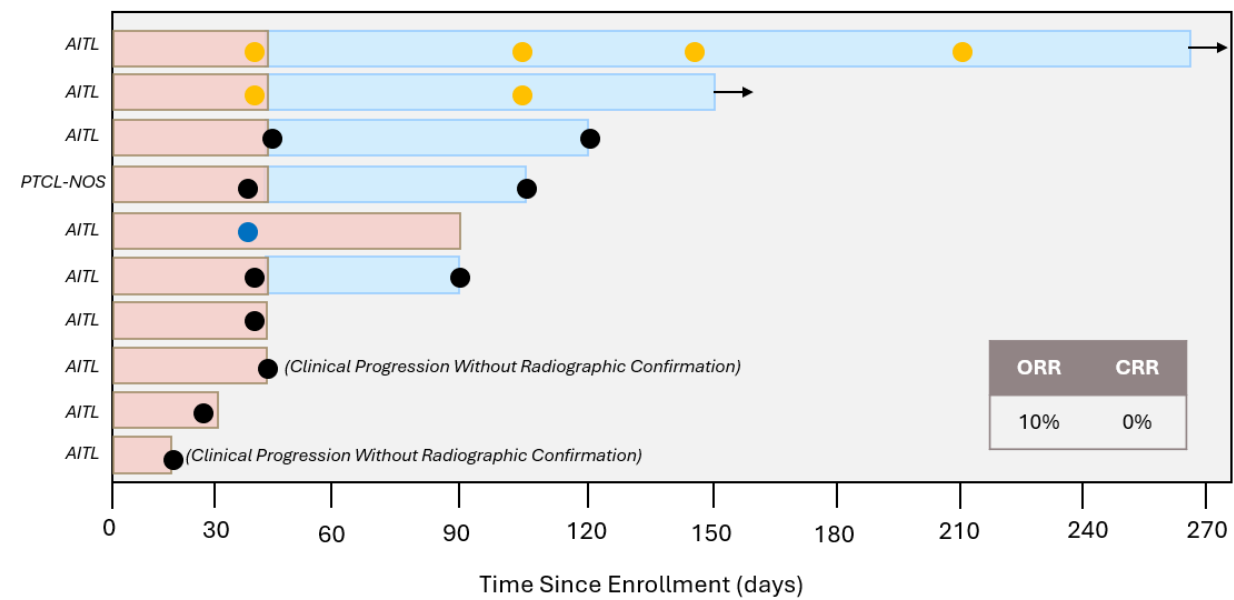
Combination Nstat + VGCV Therapy Resulted in 5x Greater Response Rate

Randomized comparison of combination Nstat + VGCV therapy to Nstat monotherapy (ITT population)

Combination Nstat + VGCV Therapy
5/10 (50%) Responses



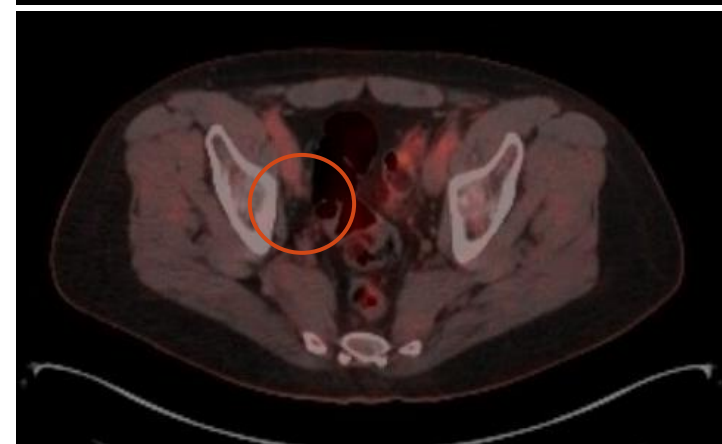
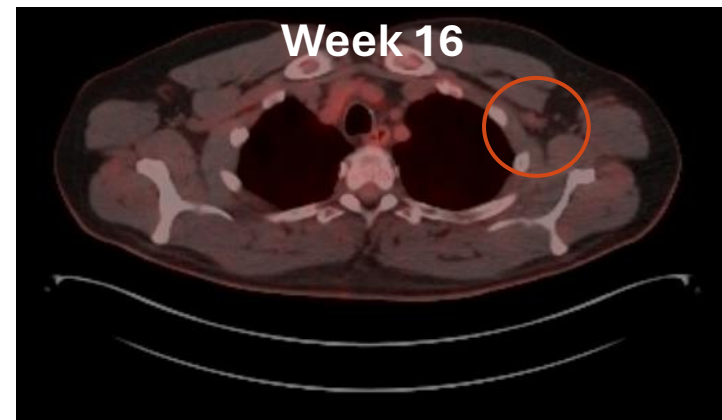
Nstat Monotherapy
1 PR/10 (10%) Response



Responder at 16 Weeks Proceeded to HSCT and Continues in Response

CT scans of confirmed PR

- 52-year-old male with R/R EBV⁺ AITL (axillary, retroperitoneal, inguinal, and pelvic lymphadenopathy)
- Previously treated with CHEOP followed by autologous stem cell transplant
- Treated with Nstat 20 mg days 1-4/week + VGCV 900 mg QD x 5 months then proceeded to allogeneic stem cell transplant
- Continues in response as of the most recent radiographic follow-up 260 days after the initial response on Nstat + VGCV



Courtesy of Dr. Brian Greenwell, Medical University of South Carolina

All-Oral Regimen of Combination Nstat + VGCV Therapy was Generally Well-Tolerated

Most Frequently Occurring ($\geq 10\%$) Treatment-Related Treatment-Emergent Adverse Events by Severity Grade and Preferred Term

Preferred Term ^[1]	Combination Nstat + VGCV Therapy (N=10)		Nstat Monotherapy (N=10)	
	All ^[2]	G3+G4	All	G3+G4
Platelet count decreased	2 (20.0%)	1 (10.0%)	1 (10.0%)	0
Anaemia	1 (10.0%)	0	5 (50.0%)	4 (40.0%)
Fatigue	1 (10.0%)	0	3 (30.0%)	0
Decreased appetite	1 (10.0%)	0	3 (30.0%)	0
Nausea	1 (10.0%)	0	2 (20.0%)	0
Diarrhoea	1 (10.0%)	1 (10.0%)	2 (20.0%)	0
Weight decreased	1 (10.0%)	0	0	0

¹Adverse events were coded to preferred terms using MedDRA, version 26.0

²One combination Nstat + VGCV therapy patient had G5 pancytopenia and sepsis

Conclusions

- Greater clinical efficacy of combination Nstat and VGCV therapy than Nstat monotherapy observed (together with the known absence of anticancer activity for VGCV alone) suggests that both drugs in the combination regimen are contributing to its anti-tumor activity as predicted by their mechanisms of action
- Most common treatment-related adverse events have been hematological and gastrointestinal in nature, primarily mild to moderate in severity, and generally manageable or reversible
- Combination Nstat and VGCV therapy is emerging as a promising, generally well-tolerated, convenient, all-oral treatment for patients with R/R EBV⁺ PTCL, having exceeded the Stage 1 efficacy threshold for expansion into Stage 2 of the NAVAL-1 trial

Thank You (谢谢)