Les « Scoops » en Soins Oncologiques de Support

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Liens d'intérêts

- Aucun

SCOOP !?

SOS dans le Parcours SEIN – Gestion des toxicités aux ADC

Des nouveautés ?

Gestion des toxicités en ORL, effet immunomodulateur du paracétamol, alopecie et le chemobrain

2022 ASCO[®] ANNUAL MEETING

ROMAN: Phase 3 trial of avasopasem manganese (GC4419) for severe oral mucositis (SOM) in patients receiving chemoradiotherapy (CRT) for locally advanced, nonmetastatic head and neck cancer (LAHNC)

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Background

- IMRT + cisplatin SoC for LAHNC
- ~70% of patients develop SOM (WHO grade 3 or 4)
 - Grade 4 OM: ~20–25%
 - Median duration: 3–4 weeks
 - Median onset: ~40 Gy
- No FDA-approved HNC SOM drugs

SOM

WHO OM score

Ulcers Unable to tolerate solid or liquid diet Requires IV or tube feeding	4
Ulcers Requires liquid diet	3
Ulcers Able to eat solid diet	2
No ulcers Erythema and soreness	1

1. Henke M et al. *J Clin Oncol* 2011;29:2815-20; 2. Le QT et al. *J Clin Oncol* 2011;29:2808-14; 3. Kudrimoti MA et al. *J Biotechnol* 2016;239:115-25.

FDA, United States Food and Drug Administration; IMRT, intensity-modulated radiation therapy; LAHNC, locally advanced head and neck cancer; OM, oral mucositis; SoC, standard of care; SOM, severe OM; WHO, World Health Organization.

Avasopasem Manganese (AVA, GC4419)

- Selective small molecule dismutase mimetic
- Converts RT-induced superoxide to hydrogen peroxide
- Protects normal cells, but not cancer cells, from RT
 - Superoxide initiates tissue damage & inflammatory cascade → OM

1. El-Mahdy MA et al. *Free Radic Biol Med* 2020;160:630–42; 2. Riley DP and Schall OF. *Adv Inorg Chem* 2006;59:233–63.

OM, oral mucositis; RT, radiation therapy.

Promising Phase 2b SOM Data Anderson, JCO 2019

Avasopasem 90 mg appeared to reduce SOM

- SOM duration reduced ($P=0.024$)
- SOM incidence through IMRT reduced ($P=0.009^*$)
 - Grade 4 OM incidence reduced ($P=0.045^*$)
- Adverse event profile comparable, avasopasem vs placebo arm
- Tumor outcomes maintained at 1 & 2 years, avasopasem vs placebo
 - Anderson, revision in review, *IJROBP* 2022
- Avasopasem 30 mg appeared to be intermediate in effect between 90 mg and placebo

* Nominal P value not formally tested.

IMRT, intensity-modulated radiation therapy; OM, oral mucositis; SOM, severe OM.

ROMAN: Phase 3 Placebo vs 90 mg Avasopasem *Reduction in Oral Mucositis with Avasopasem Manganese*

GT-301: The **ROMAN** Trial

Population	<ul style="list-style-type: none">• Oral cavity/oropharynx tumor• Locally advanced, squamous cell• Eligible for SoC: 7 weeks IMRT + cisplatin
Treatment	<ul style="list-style-type: none">• Avasopasem 90 mg or placebo• 60-minute IV infusion, Mon-Fri• Ending ≤60 mins pre-RT
Stratification factors	<ul style="list-style-type: none">• Surgery status: post-op or definitive• Cisplatin schedule: q3wks or weekly

Consort Diagram

Patient Characteristics

ITT population, N=407

	Avasopasem (N=241)	Placebo (N=166)
Oropharyngeal (%)	80	85
Oral cavity (%)	16	13
Unknown (%)	4	2
HPV positive (%)	80	81
negative (%)	18	16
unknown	2	3
Definitive (%)	81	81
Post-operative treatment (%)	19	19
Cisplatin q3wks (%)	42	45
qw (%)	58	55
Normal mucosa sites $\geq$ 50 Gy (%)	2	3
3–4	49	45
5+	48	52

SOM Incidence Reduced

- Statistically significant per SAP.

AVA, avasopasem; IMRT, intensity-modulated radiation therapy; PBO, placebo; SAP, statistical analysis plan; SOM, severe oral mucositis.

Improvement Across Other Key SOM Parameters

SOM days

56% | Reduction in median days of SOM

Grade 4 OM incidence

27% | Reduction in incidence of grade 4 OM

Grade 4 days

24% | Reduction in mean days of SOM

SOM onset

29% | Delay in median days to 1st SOM

Secondary endpoints

Exploratory endpoint

* Statistically significant per SAP.

** Nominal P value; time to onset exploratory endpoint.

OM, oral mucositis; SAP, statistical analysis plan; SOM, severe OM.

Most Frequent Adverse Events

Avasopasem 90 mg appears generally well tolerated, consistent with phase 2b

Adverse events¹ (all grades, all causes)

Adverse events¹ grade ≥ 3

¹ ITT population: 166 patients on placebo; 241 on 90 mg avasopasem.
AVA, avasopasem; ITT, intent-to-treat; PBO, placebo.

Conclusions

- Avasopasem 90 mg first drug to show statistically significant and clinically meaningful reduction in SOM
 - Incidence
 - Days of SOM (duration)
- Nominal, meaningful improvements
 - Severity (grade 4 OM incidence)
 - Onset of SOM
- Safety profile comparable, avasopasem vs placebo
- Consistent with randomized, double-blind phase 2b results
- Future analyses include
 - Tumor control and overall survival
 - Chronic kidney disease
- Galera preparing FDA submission

A Phase III, Randomized, Sham-controlled Trial of Acupuncture for Treatment of Radiation-Induced Xerostomia in Patients with Head and Neck Cancer: Wake Forest NCI Community Oncology Research Program Research Base

Lorenzo Cohen, PhD

Richard E Hayes Distinguished Professorship for Clinical Cancer Prevention
Director, Integrative Medicine Program
MD Anderson Cancer Center

Suzanne Danhauer, David I. Rosenthal, Mark Chambers, Kay Garcia, Andrew Cusimano, W. Mark Brown, Emily V. Dressler, Jewel Ochoa, Peiying Yang, Joseph Chiang, Ora Gordon, Rhonda Crutcher, Jung K. Kim, Michael P. Russin, Joshua Lukenbill, Mercedes Porosnicu, Kathleen J. Yost, Kathryn E. Weaver, Glenn J. Lesser

针灸穴位挂图
Acupuncture Point Wall Chart

LI 1-prime

RN 24

LU 7

K 6

Shenmen

Point Zero

Salivary Gland 2

Gb 32 sham needle

Real Acupoints

Sham Points

Helix 1
Helix 2
Helix 3

Gb 32 real needle

Sham 1

Sham 2

Sham 3

Sham 4

Park device

CONSORT: Recruitment from over 30 sites

Study Design & Schema

XQ Week 4 (↑ = worse symptoms)

XQ Week 12 (↑ = worse symptoms)

FACT-G Total

True v WLC P = 0.001

True v Sham P = 0.02

Sham v WLC P = 0.26

Patient Comments

- I can lick my lips for the first time in over 10 years!
- When he put that needle in my ear, I suddenly felt a big gush of saliva.
- This is the first time I've been able to enjoy a chocolate chip cookie in a long time.
- I'm thrilled with the acupuncture results. I have regained some taste buds in a good way. This is huge for me.
- I could only taste really sour foods or the burn from acidic foods. So I didn't enjoy eating....Now there are some foods that actually taste good.
- I look forward to dinner and have even gone out to dinner a few times, which I haven't done in almost 2 years..... Thanks to you all!

2022 ASCO[®]
ANNUAL MEETING

Impact of acetaminophen on the efficacy of immune checkpoint blockers in cancer patients

Pr Antoine ITALIANO
University of Bordeaux, France

Impact du paracétamol sur l'efficacité des Inhibiteurs de checkpoint

CheckMate-025

Phase 3 Nivo RCC avancé n=297, approche Métabolomique

Nb à risque

101 (0)	72 (29)	48 (52)	34 (66)	26 (70)	5 (77)
291 (0)	240 (46)	184 (100)	135 (146)	95 (174)	17 (185)

BIP

Anti-PD-L1 +/- CTLA4 cancer avancés (n=34), Approche Métabolomique

Nb à risque

17 (0)	7 (10)	5 (12)	0 (12)
17 (0)	10 (7)	8 (9)	0 (10)

PREMIS

Anti-PD-L1 +/- CTLA4 cancer avancés (n=297) Approche quantitative

Nb à risque

167 (0)	78 (60)	27 (77)	9 (82)	0 (83)
130 (0)	84 (18)	33 (32)	14 (39)	2 (39)

Impact du paracétamol sur l'efficacité des Inhibiteurs de checkpoint

Phase 3 Nivo RCC avancé n=297, approche Quantitative

Survie Sans Progression

Independent variables	Hazard ratio	IC 95%	p
Age (≥ 61.2 ans)	0,71	0,54-0.94	0,018
Exposition APAP (Oui)	1,43	1,07-1.91	0,015
Taux de LDH (≥ 207 UI)	1,55	1,17-2.06	0,002
ECOG (≥ 2)	2,05	1,41-2.96	< 0,001
Métastases hépatiques (Oui)	2,10	1,54-2.87	< 0,001

Survie Globale

Independent variables	Hazard ratio	95% CI	p
Sex (Male)	1,45	0.99-2.11	0,056
Exposition APAP (Oui)	1,78	1.18-2.68	0,006
Taux de LDH (≥ 207 UI)	1,91	1.30-2.81	0,001
ECOG (≥ 2)	3,57	2.27-5.60	< 0,001
Métastases hépatique (Oui)	2,60	1.76-3.85	< 0,001

ADAP=Acétaminophène

- En analyse multivariée, la présence d'acétaminophène ou de glucuronide d'acétaminophène est indépendamment associée à une moins bonne PFS et OS.
- La corrélation a été faite sur un modèle animal murin
- Le modèle humain sur 4 volontaires sains a confirmé l'implication du paracétamol avec un effet sur Treg

➤ **L'acétaminophène (paracétamol) a un effet délétère sur l'efficacité des inhibiteurs de checkpoint.**

Oral Minoxidil for the Treatment of Late Alopecia in Cancer Survivors

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Stephen Dusza, Lukas Kraehenbuehl, Devika Gajria, Diana E. Lake,
Jacqueline F. Bromberg, Shari B. Goldfarb, Tiffany A. Traina, Monica N. Fornier,
Ayca Gucalp, Megan Dauscher, Alina Markova, Mario E. Lacouture

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Minoxidil oral contre l'alopecie persistante

- Minoxidil : stimule les canaux potassiques → vasodilatateur et entrée précoce des follicules en phase de croissance
- Autorisation FDA comme antihypertenseur à la posologie de 10 à 100 mg/j
- Utilisation hors AMM à la posologie de 0,25 à 5 mg/j dans l'alopecie

**Patientes présentant
une alopecie persistante**

Traitement par Minoxidil oral 1,25 mg/j

N=216

Evaluation de la réponse Clinique par comparaison
photographique avant et après traitement

Quantification de la réponse par trichoscopie
(HairMetrix[®] Canfield Scientific, Inc)

On standardized photography (n=119), 74% of patients showed clinical improvement

Figure 1. A) Standardized photo and B) occipital trichoscopy of a patient on tamoxifen, before oral minoxidil. C) Standardized photo and D) occipital trichoscopy after 131 days of oral minoxidil 1.25 mg daily.

Table 1. Trichoscopy assessments (n=42) before and after a median of 91 (IQR=136) days on oral minoxidil

	Baseline Value (95% CI)	Follow-up Value (95% CI)	Median Percent Change (IQR)	p
Hair Density (hairs/cm²)				
Frontal	124.2 (109.7-138.7)	153.2 (137.3-169.1)	20.4% (46.8)	0.008
Occipital	100.3 (89.2-111.3)	123.5 (112.1-134.9)	21.4% (59.3)	0.004
Follicle Density (follicles/cm²)				
Frontal	96.5 (86.5-106.4)	115.8 (105.7-125.9)	22.5% (37.1)	0.007
Occipital	77.4 (69.4- 85.4)	93.0 (85.5-100.5)	20.9% (39.6)	0.005
Hair Shaft Diameter (µm)				
Frontal	69.3 (66.7-71.9)	67.3 (65.4-69.2)	-2.0% (10.7)	0.22
Occipital	70.3 (67.8-72.7)	69.9 (67.2-75.6)	0% (13.4)	0.84

A single-arm feasibility trial of memantine to prevent chemotherapy related cognitive decline in patients with early breast cancer

Z. Nakamura, et al., ASCO® 2022, Abs. #12109

Merci pour votre écoute

Merci au Réseau OncoNA