



Etude REVERSE

Avacopan added to standard-of-care therapy in ANCA-associated vasculitis with severe kidney involvement: a randomized, placebo-controlled, double-blinded multicenter superiority study

PHRC-N 2024

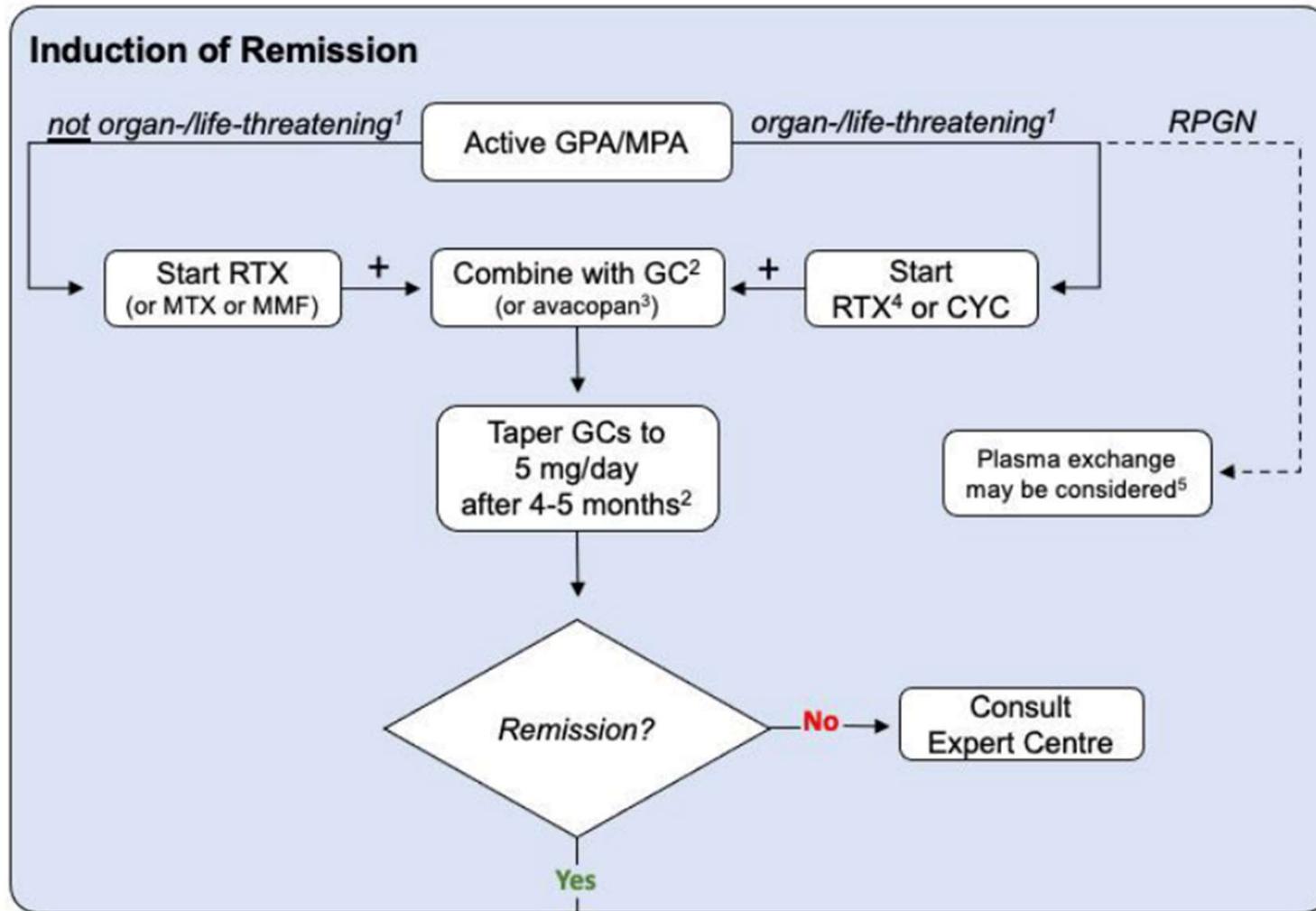
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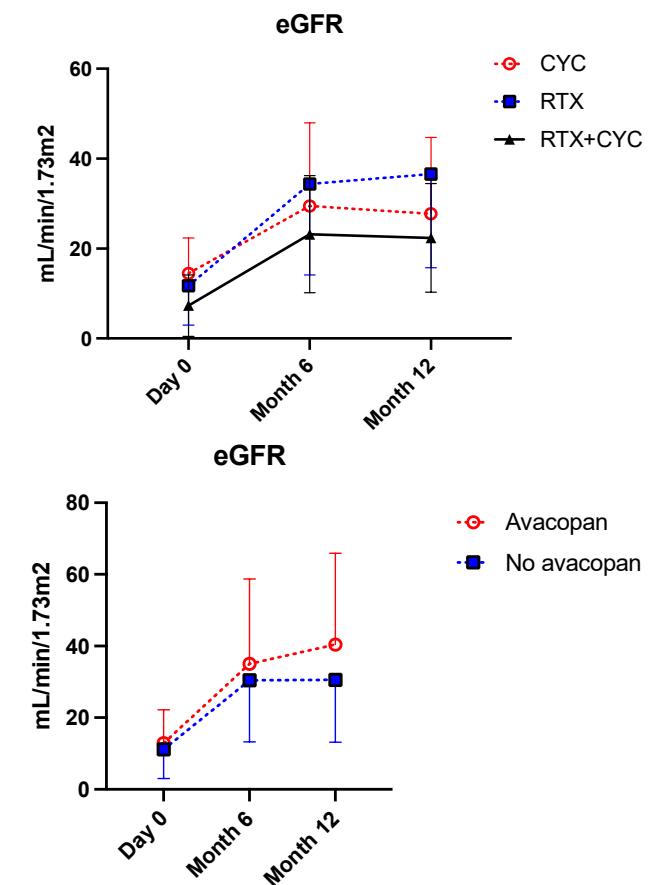
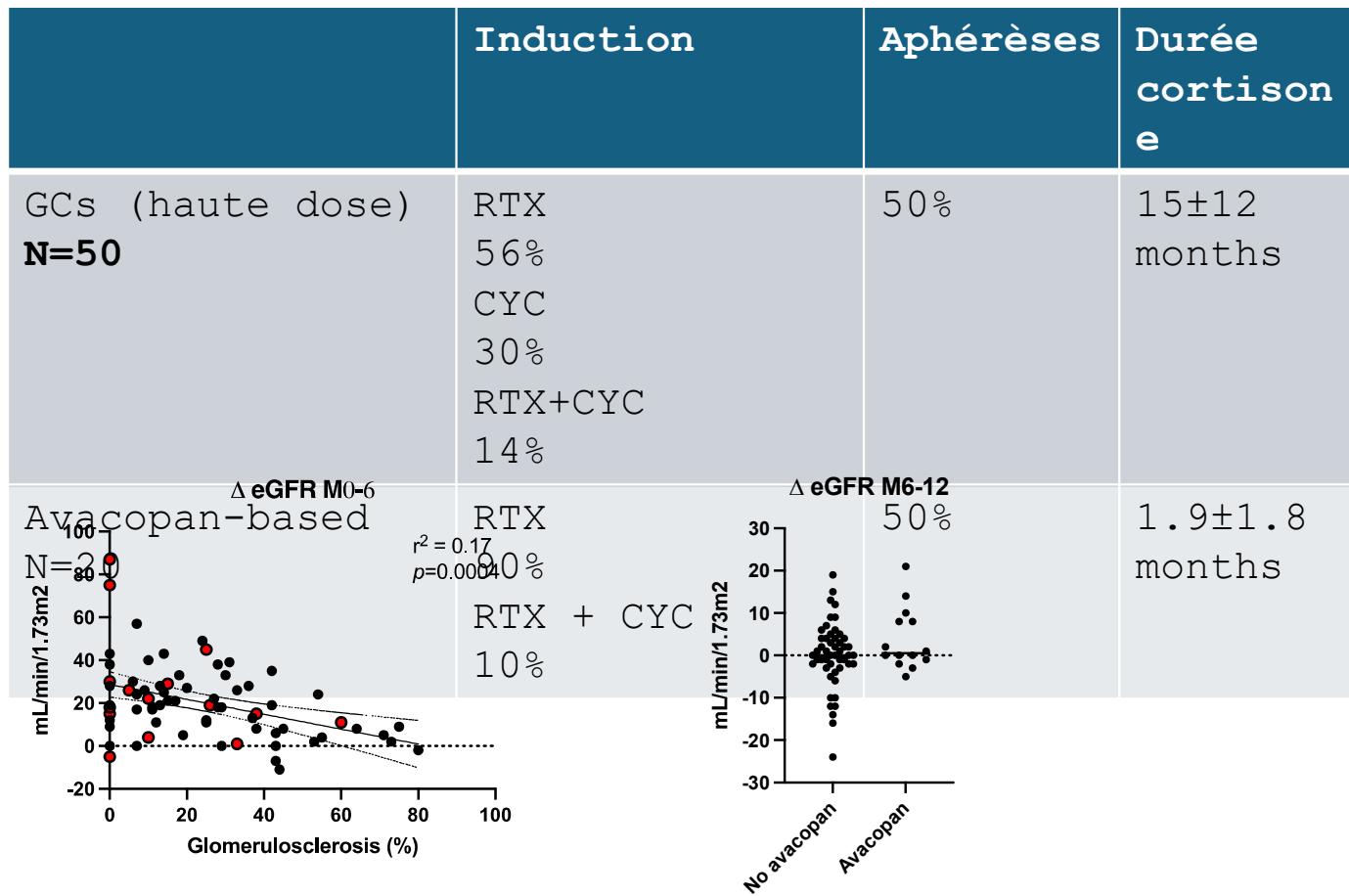
CHU de Toulouse



GNRP – ANCA sévère – recommandations KDIGO 2024



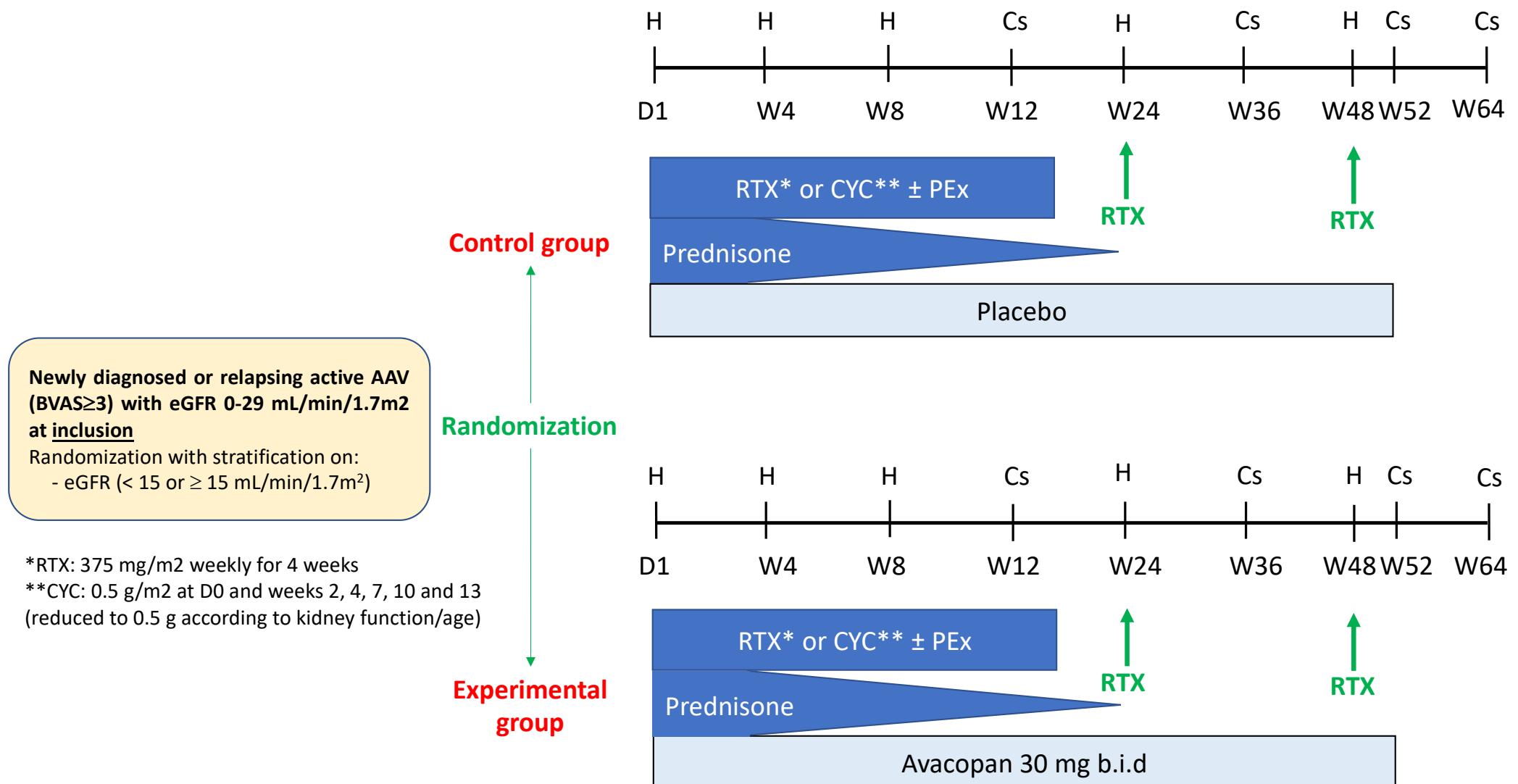
GNRP – ANCA (DFG < 30 mL/min) et PBR et suivi M6



Faguer et al. So

Hypothèse

Plutôt qu'opposer GCs et avacopan, la combinaison de GCs (schéma PEXIVAS low-dose) et d'avacopan au cours des atteintes rénales sévères des VAA pourraient être synergique et améliorer le pronostic rénal des patients ainsi qu'optimiser le contrôle de la vascularite systémique.



Objectifs

Main objective

To demonstrate an improvement in kidney function at week 52 (eGFR \geq 30 mL/min/1.7m²; i.e. CKD stage 1-3) in patients with severe forms of AAV-associated RPGN (eGFR 0-29 mL/min/1.7m² at inclusion) when avacopan is added to GCs-based SOC.

Main evaluation criterion

Proportion of patients reaching an estimated glomerular filtration rate \geq 30 mL/min/1.7m² (CKD-EPI formula applied to the measure of standardized serum creatinine) at week 52.

Objectifs

Secondary objectives:

- To assess **survival** in both groups up to week 64
- To assess in both groups **the vasculitis activity**: Birmingham Vasculitis Activity Score (BVAS) and Vasculitis Damage Index (VDI) at weeks 24, 52 and 64
- To assess in both groups the incidence of **treatment-related adverse events**
- To assess in both groups the **kidney function** (eGFR and proteinuria) at weeks 24, 52 and 64
- To assess in both groups the proportion of **end-stage kidney disease** (chronic dialysis) at weeks 24, 52 and 64
- To assess in both groups the intensity of kidney inflammation (usCD163 and uMCP1; urinary and serum levels of C3a, C5a and factor Bb) at inclusion and at weeks 4, 12, 24 and 52
- Changes in quality of life from baseline to week 64
- To assess the ability of kidney biopsy to predict the renal response to avacopan, in those receiving avacopan (per-protocol analysis)
- **Medico- economic analyses**

Inclusion criteria

- Are male or female, 18 to 85 years of age
- Kidney biopsy before inclusion available (up to 6 weeks before inclusion) or patients agreeing to have a renal biopsy procedure performed no later than prior the visit at week 4
- Have been **newly diagnosed or relapsing active AAV-related RPGN at the time of inclusion** (either granulomatosis with polyangiitis (GPA) or microscopic polyangiitis (MPA), with or without positive ANCA testing)
- Have an active disease (BVAS ≥ 3 , with at least one of the 2 renal items of proteinuria (urinary proteinuria/creatininuria $> 300 \text{ mg/g}$) and haematuria ($>10 \text{ RBC/hpf}$) within the BVAS), and **eGFR 0-29 mL/min/1.7 m}2 at inclusion**
- Be planned to receive a SOC induction regimen by rituximab or cyclophosphamide plus glucocorticoids (\pm plasma exchanges) for the current AAV flare (rituximab or cyclophosphamide may have been started before the inclusion in the study, maximum 2 weeks before the inclusion)

Main exclusion criteria

- Treatment by >3000 mg methylprednisolone or equivalent within the 3 weeks preceding the screening visit
- eGFR before the AAV flare already <35 mL/min/1.7m²
- Glomerulosclerosis >50% or kidney interstitial fibrosis >50%, if results of a kidney biopsy are available. If kidney biopsy is performed after inclusion in the study, the patients will continue the study according to the protocol.
- ...

Patients

- **Durée de l'étude / patients:** 15 mois (12 sous avacopan / placebo + 3 mois de suivi/washout)
- **Durée du recrutement:** 36 mois
- Hypothèse principale

We hypothesized that the incidence of patients reaching an eGFR $\geq 30 \text{ mL/min/1.73m}^2$ at week 52 (estimated at 45% in previous multicenter observational cohort) could reach 70% in the experimental group. Thus, a 25% absolute difference between groups in the primary endpoint incidence (45% in the control versus 70% in the experimental group) seems to be a reasonable hypothesis. In addition, given the cost of avacopan (around 71 k€ per 52 weeks of treatment and per patient), a 25% absolute difference between groups was considered as a minimal requirement.

- **Nombre de sujets nécessaire** (avec 10% de perdus de vue)
 - 130 patients soit 65 par bras

Timeline

- **Recueil CV – BPC en cours**
- **Dépôt CPP Europe : fin avril (...)**
- **Rédaction CRF**
- Fourniture placebo – avacopan (VIFOR – AMGEN) : septembre 2025
- 1ère mise en place: Janvier 2026

Remerciements: VIFOR – AMGEN > fourniture gracieuse de l'avacopan et du placebo pour