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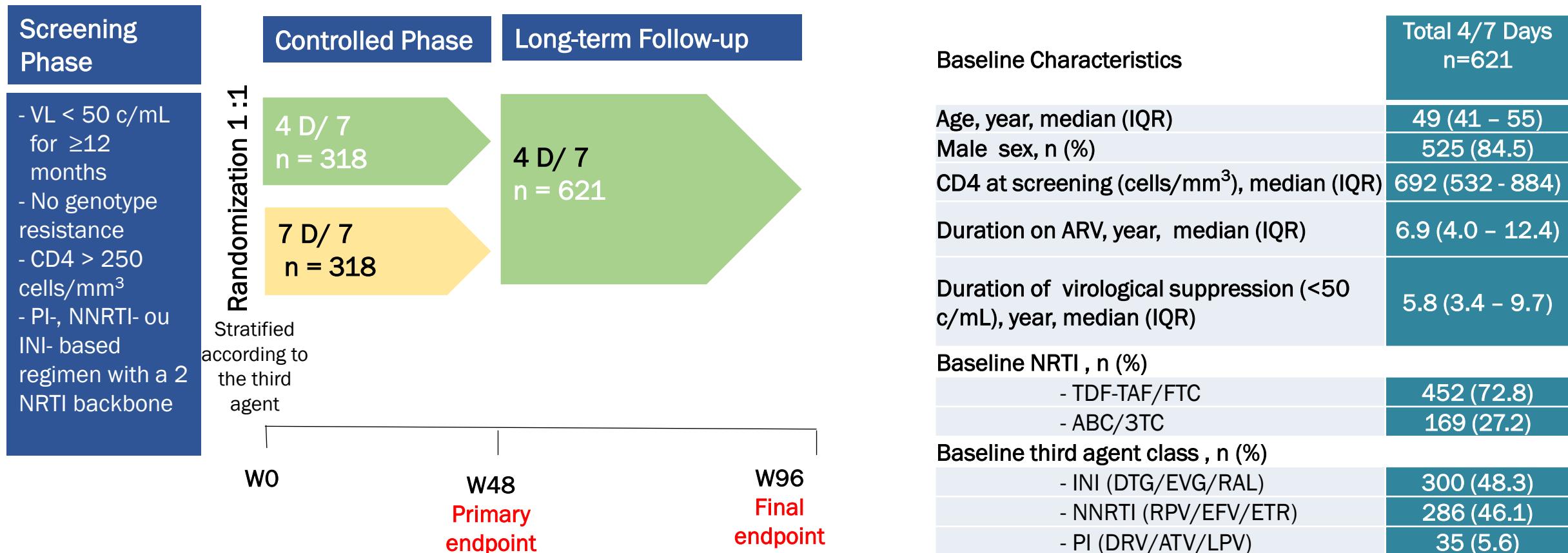
# W96 EFFICACY OF 4/7DAYS MAINTENANCE ART STRATEGY: ANRS-170 QUATUOR TRIAL

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**QUATUOR - Study design**  
**randomized, multicenter, national, open-label, non-inferiority study in adults**  
**with HIV-1 virological suppression**

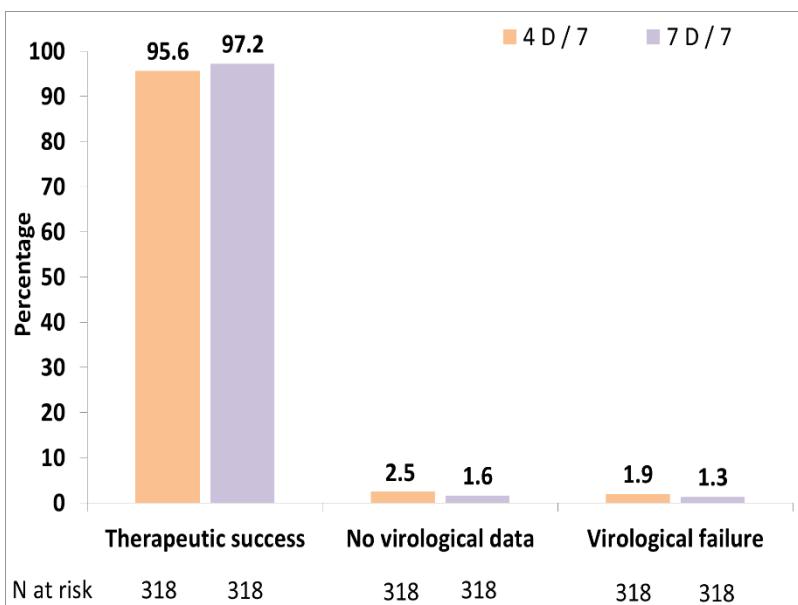


**OBJECTIVES :**

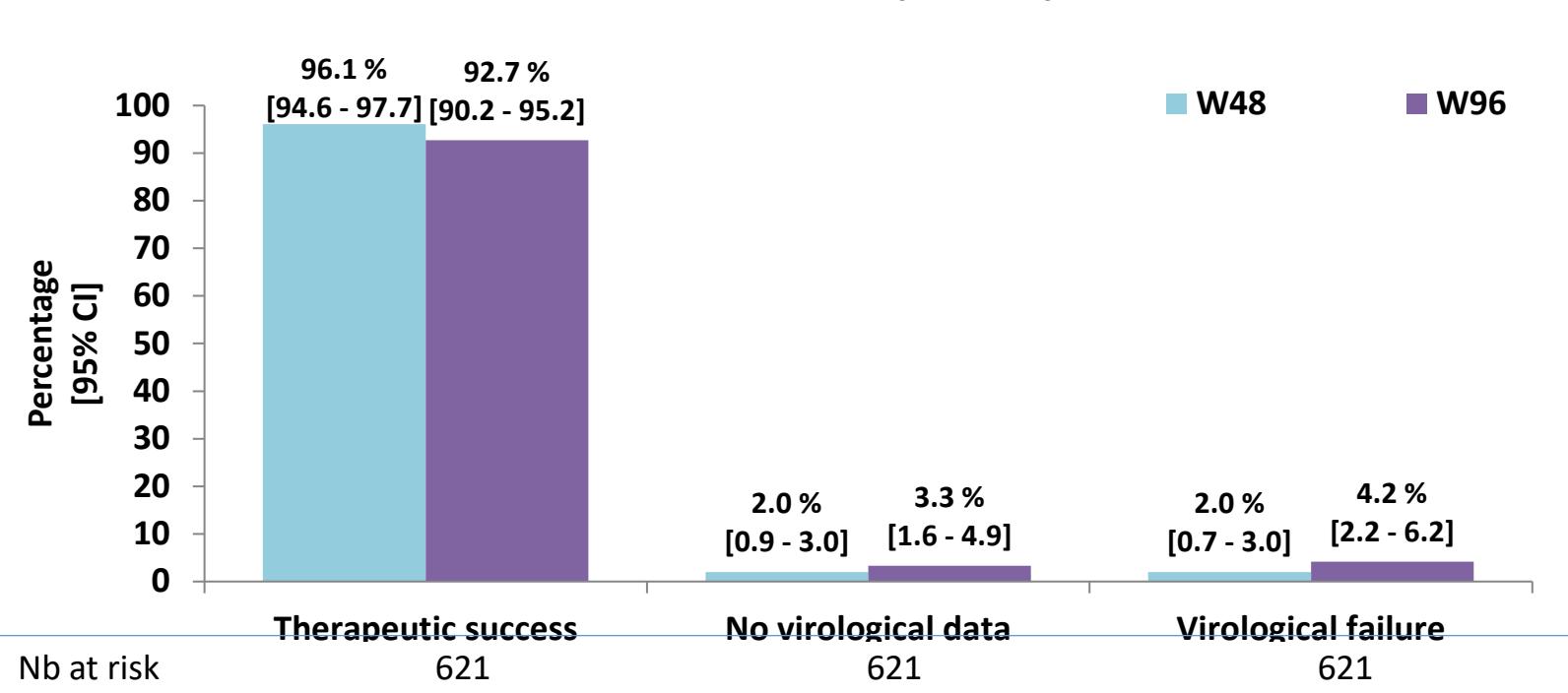
- W48 : to establish non-inferiority of antiviral activity of 4D/7 versus 7D/7 with 5% non inferiority margin between groups
- W96 : long term follow-up efficacy and tolerance of 4D/7

# ANRS 170 - QUATUOR STUDY - RESULTS

## RANDOMISED PERIOD - W48



## LONG TERM PERIOD- D0 to W96 (n=621) on 4D/7



(VF defined as 2 consecutive VL  $\geq 50$  copies/mL)

Regarding the 3rd agent class, VF was observed in 5.3% [1.9-8.6] with NNRTI, and 2.4% [0.6-4.1] with InSTI at W96

# QUATUOR - Virological failure and Tolerance: Week 96

## Virological failure / New drug resistance mutations

Follow-up period	Virological failure	Patients with new DRM
D0-W48	6 /318	3 /6 : - M184I, E138K, Y188L - M184V, E138K, V179I, H221Y - M184I, N155H
W48-W96	13/621	4/13 : - M184I - E138K, M184V - M184I/M - K65K/R, E138K/E, V179I, K219E, F227F/C

## Tolerance

- No significant adverse events, biological changes or changes in the level of pro-inflammatory markers were observed with the 4/7-days strategy until W96, except a gain of +4 ml/min (IQR -2;+6) in eGFR, p<0.001
- Strategy interruption for adverse event (n=3) and death (n=5 – 2 cancers, 1 domestic accident, 1 stroke, 1 myocardial infarction)

# ANRS 170 - QUATUOR : Conclusions

## Randomized period of follow-up at 48 weeks :

- The ANRS 170 QUATUOR randomized trial demonstrates the non-inferiority of a 4/7 days versus 7/7 days maintenance strategy whatever the 3rd agent class. Landman R. IAS 2019 abstract WEAB0406LB
- No change on HIV ADN/Ultra sensitive plasma viral load/ HIV seminal viral load between 4/7-days group relative to the 7/7-days. Lambert-Nicot S.CROI 2020 abstract 0502
- In the 4/7-days group, 152 participants (60.3%) reported an improvement in daily life satisfaction versus only 18 (7.3%) in the 7/7-days group ( $P<0.001$ ).
- Reduction of 43% of the cost of antiretroviral drug in the 4/7-days group relative to the 7/7-days group ( $P<0.001$ ).

## Long term follow-up at 96 week:

The efficacy result of 4/7-days strategy was sustained at W96, with a low rate of viral failure, particularly with InSTI based regimen.

This 4 consecutive days-on and 3 days-off reduced the cost ART maintenance regimens and represents a real, workable, alternative to the recommended maintenance therapy

# ANRS 170 QUATUOR - Acknowledgments

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- All study participants
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