





PROGRAMMA SEMINARIO 2016

presso il Centro Congressi Conte di Cavour Via Cavour 50/A, 00184 Roma - Zona Stazione Termini

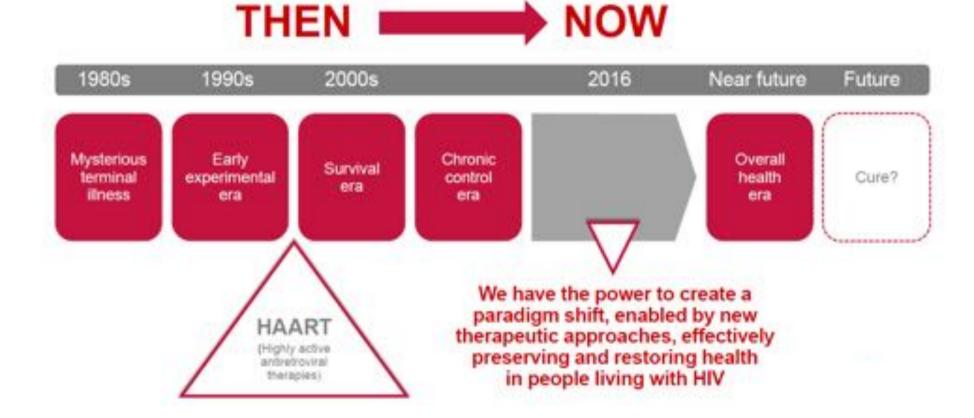
SOMMINISTRAZIONE A LENTO RILASCIO DELLA TERAPIA ANTI-HIV: QUALI SARANNO LE SFIDE, LE OPPORTUNITÀ E LE CRITICITÀ? (2)

Roma, 16 settembre 2016

I NUOVI BISOGNI DELLE PERSONE CON HIV Il punto di vista della comunità scientifica

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Ospedale San Raffaele Milano

We are entering a new era



DELAY MAY BE SERIOUS NOW

FOR ONLY

FREE

THIS WAY TO HEAVEN FREE

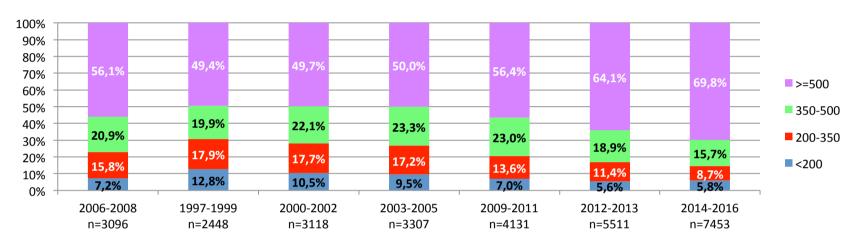
S-A-A-Y these are good GOOD pure and better, my new medical discovery you my tangy goodness you with the secret KLEEN-KLEER-VU my blended you my



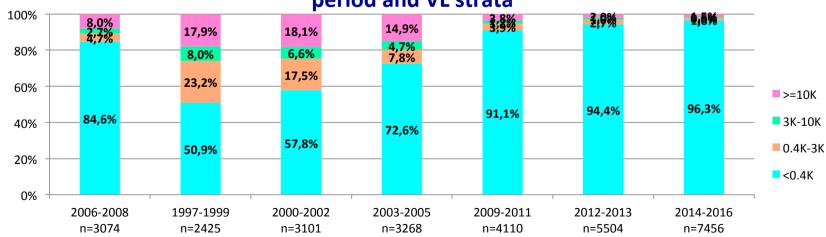


Fondazione Icona

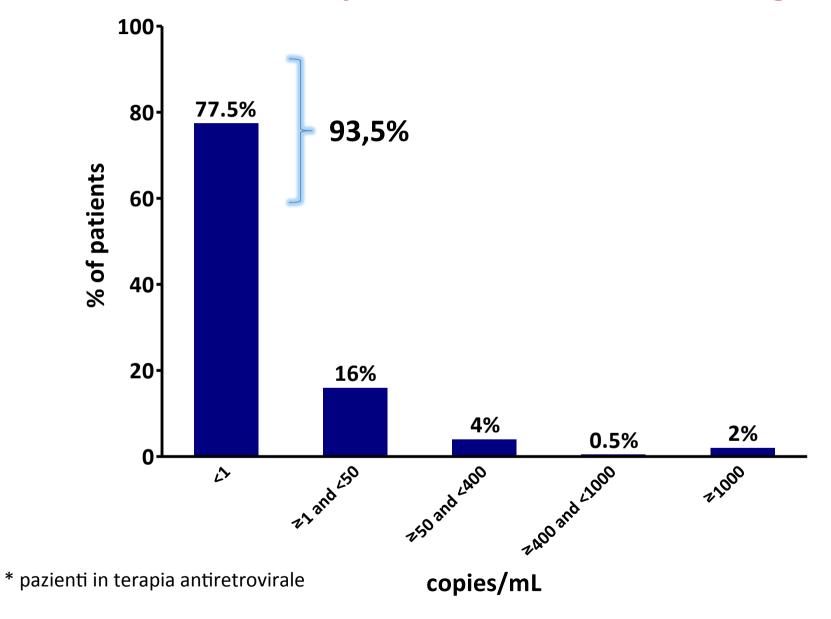
CD4 in drug experienced patients, according to calendar period and CD4 strata



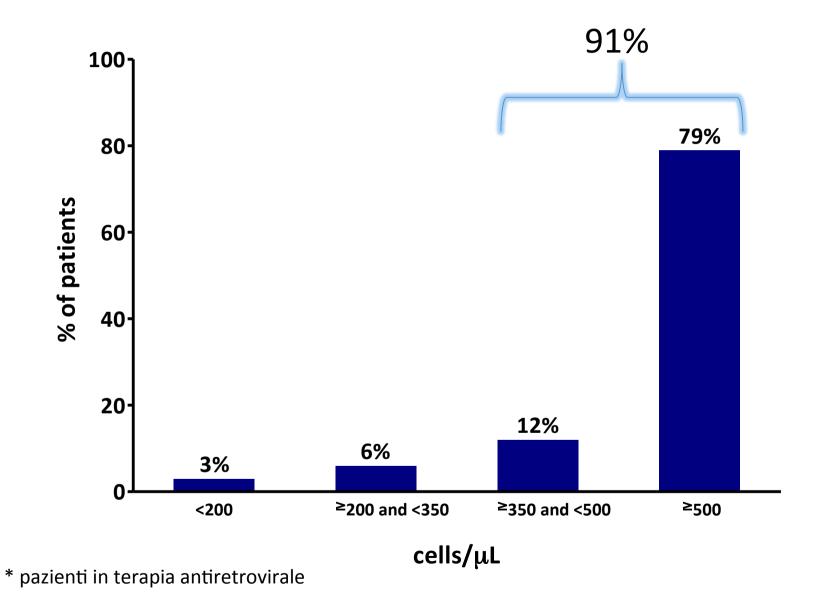
HIV-RNA in drug experienced patients, according to calendar period and VL strata



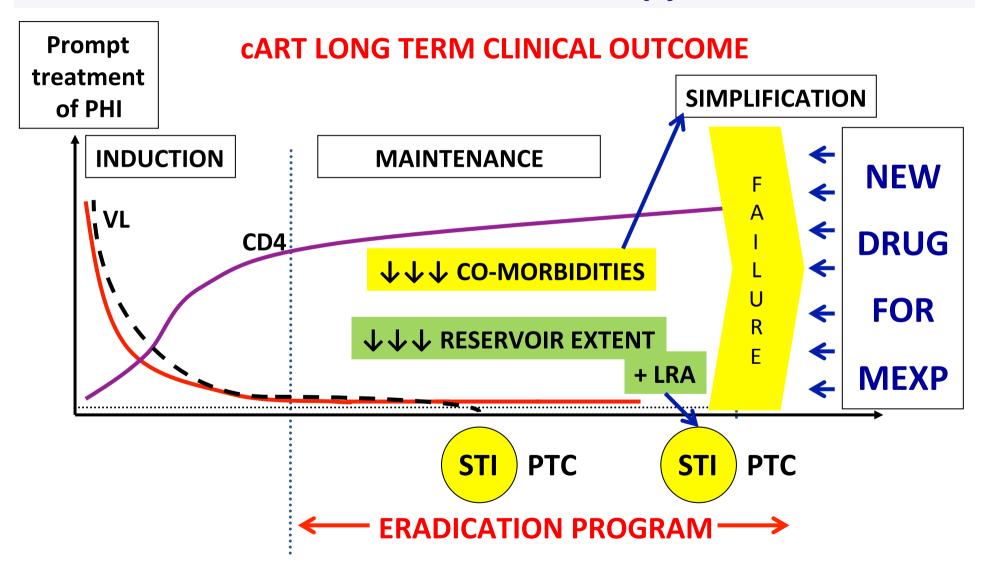
Carica virale tra i pazienti* attualmente seguiti



CD4+ tra i pazienti* attualmente seguiti



CART 2.0: Different approach and aim in distinct moment of HIV therapy



More or less perspectives



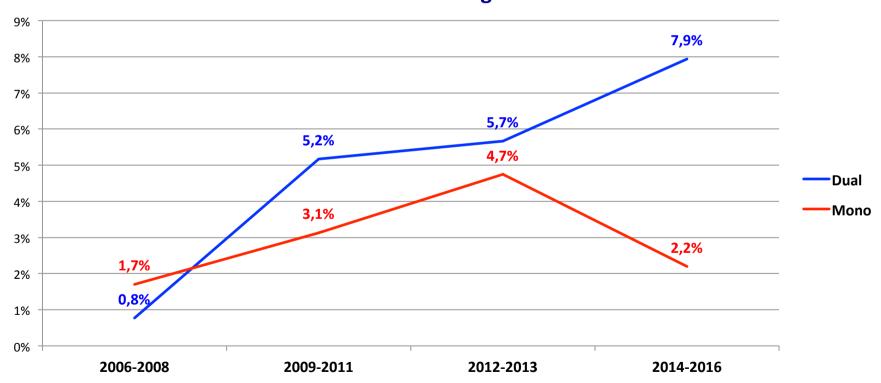
- Immediate therapy (PHI!)
- Immunorecovery
- Rx convenience (STR)
- Switch RCT driven
- Simplification (long-acting drugs)
- Drugs/class
- Clearance of reservoirs
- Post treatment controller
- Eradication research

- Late presenters
- Drug toxicity
- Immune-activation
- Co-morbidities
- «Trendy» changes
- Failures
- Costs



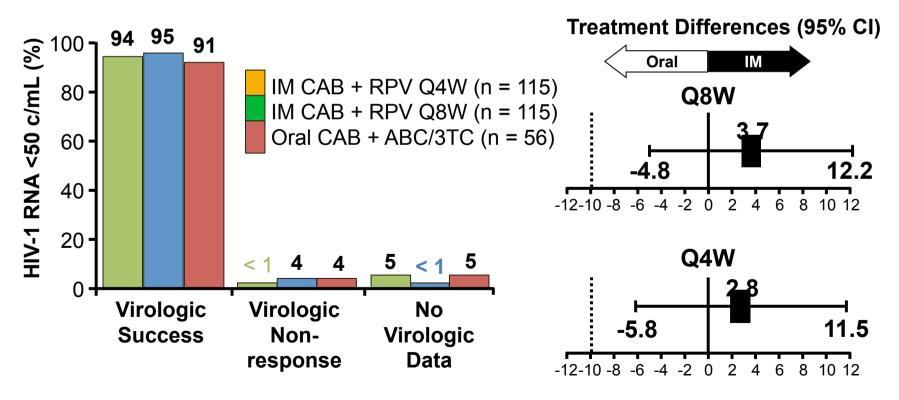


Proportion of mono/dual PI therapies according to calendar period of starting



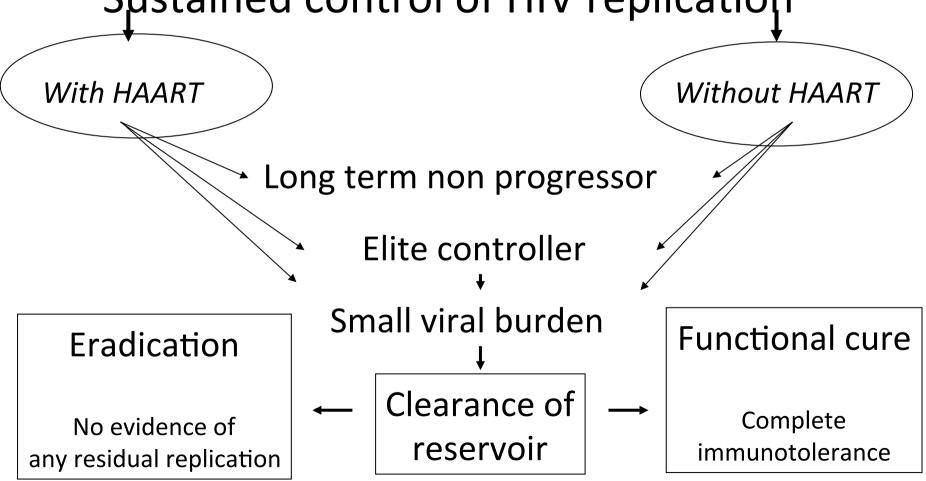
LATTE-2: Maintenance Wk 32 Virologic Efficacy (ITT-Maintenance Exposed)

- Virologic efficacy of Q4W and Q8W IM regimens similar to oral regimen
- No INSTI, NNRTI, or NRTI resistance mutations detected



Reopening the frontier of the going goal of the antiretroviral therapy.

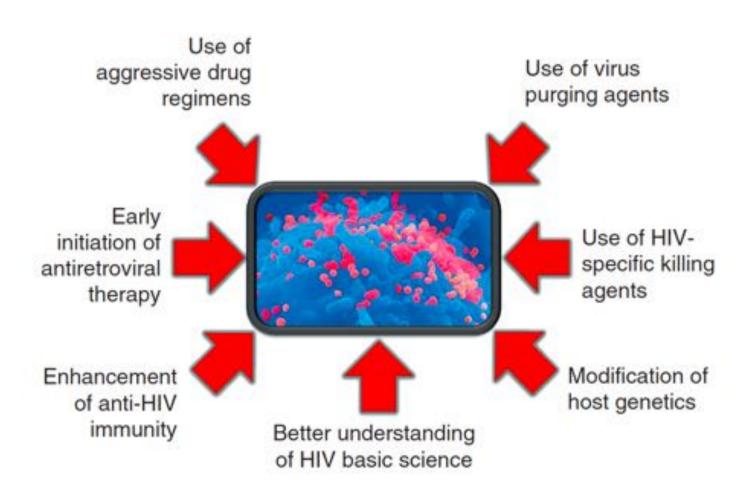
Sustained control of HIV replication

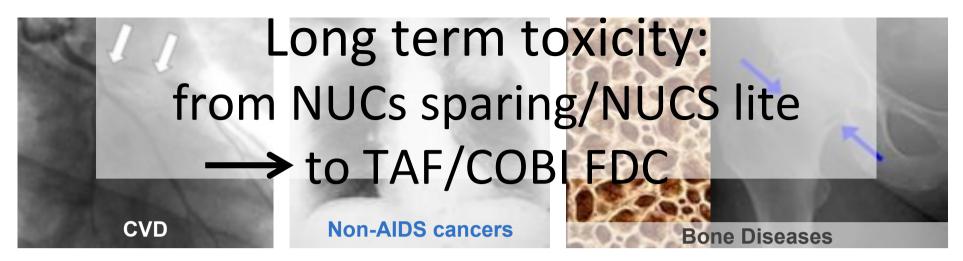


Ospedale San Raffaele – Dipartimento di Malattie Infettive



Potential strategies for eradicating HIV in infected individuals receiving ART

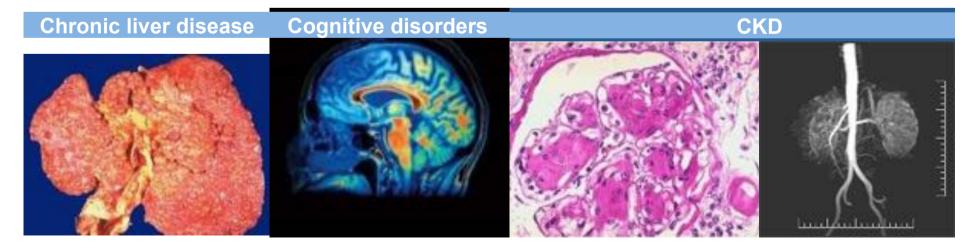






Co-morbidities in HIV share common risk factors
•HIV Disease
•Drugs choice and Exposure
•Lifestyle factors



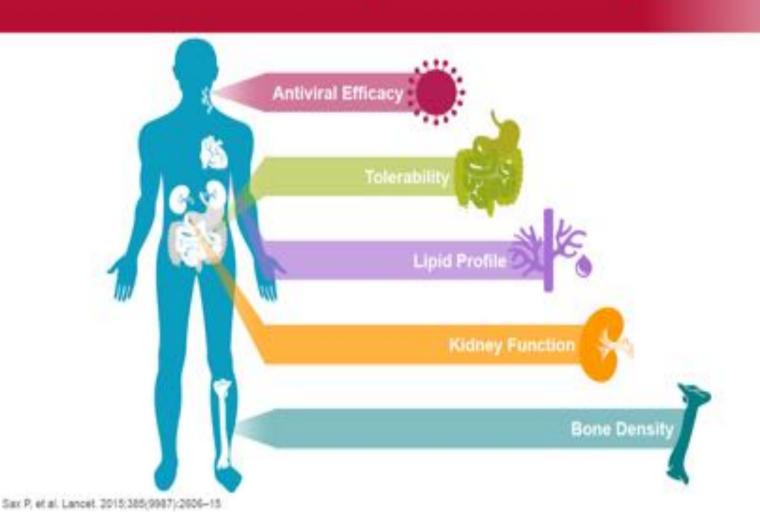


After Cernobyl

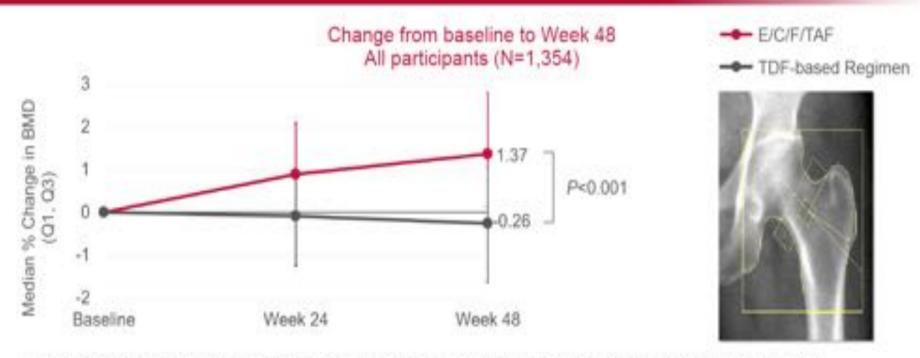
TDF DAMAGE RECLAIM



TAF: Effect of 90% lower plasma tenofovir by organ system

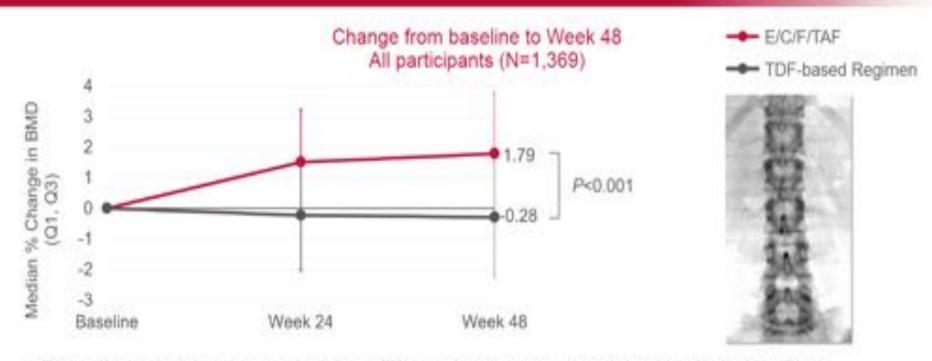


Changes in hip BMD after switch to E/C/F/TAF TDF switch (Study 109)



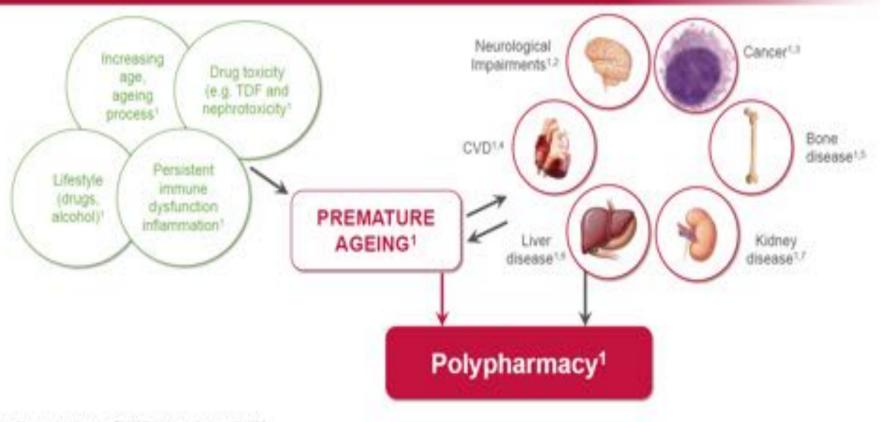
- · Regardless of prior treatment regimen, differences between arms were statistically significant
- >1.6% difference between the arms at Week 48

Changes in spine BMD after switch to E/C/F/TAF TDF switch (Study 109)



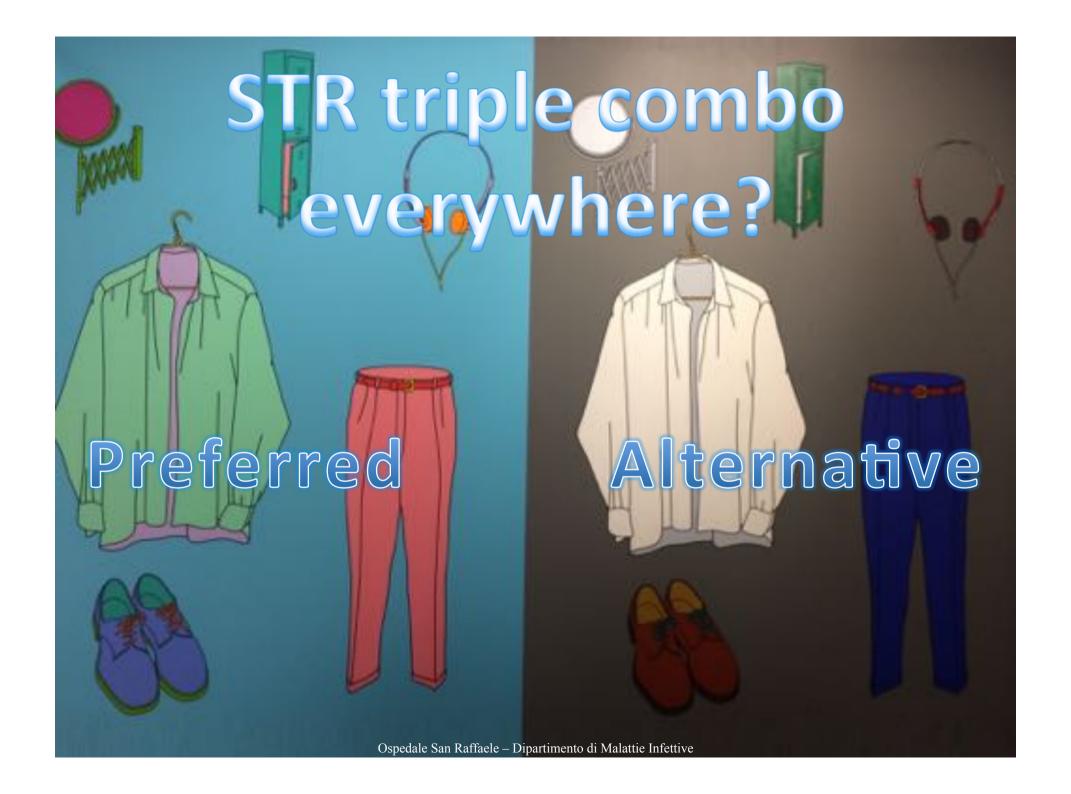
- · Regardless of prior treatment regimen, differences between arms were statistically significant
- >2% difference between the arms at Week 48

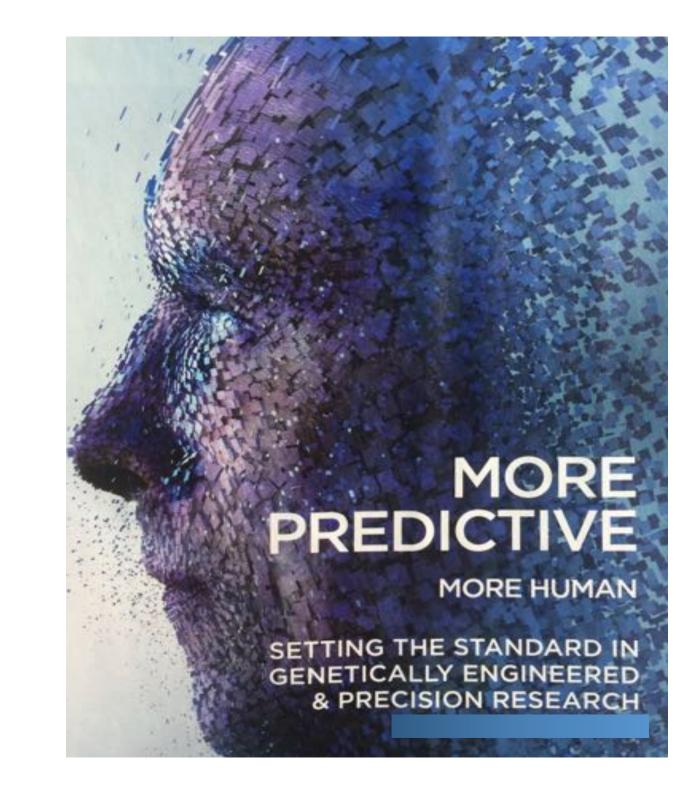
Do PLWHIV age prematurely?



CVD, cardiovascular disease; PLWHIV, people living with HIV

Deeks SG et al. BMJ 2009;338:a3172, 2. McArthur JC et al. Ann Neurol 2010;67:699–714, 3. Nguyen ML et al. 18th IAC. Vienna. Austria 2010. Abstract WEAB0105. 4. Preiberg MS et al. JAMA Intern Med 2013;173:614–22. 5. Brown TT et al. AIDS 2006;20:2165–74.
 Towner WJ et al. JAIDS 2012;60:321–7. 7. Lucas GM et al. Clin Infect Dis 2014;59:e96–138





Viral co-infection can contribute to the higher risk of cancer among HIV-positive patients



Human herpes virus 8 co-infection



Human papillomavirus co-infection



Epstein-Barr virus co-infection



Hepatitis virus co-infection

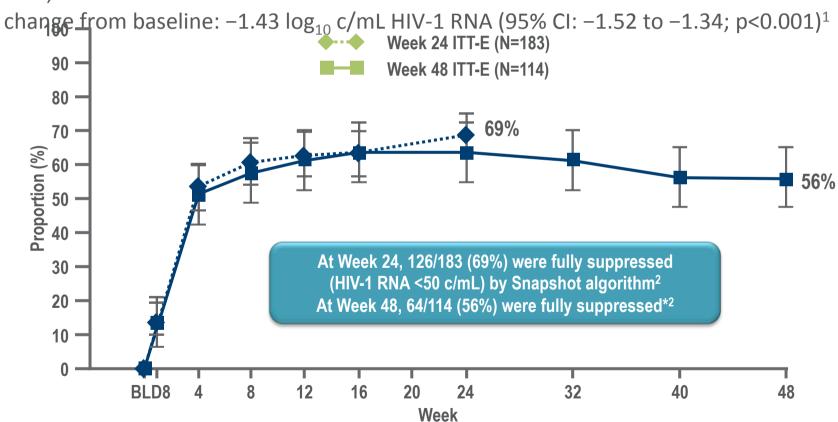
In addition to viral infections, the prevalence of some traditional risk factors for cancer, such as smoking and heavy alcohol use, are more prevalent among HIV-positive patients²

Engels EA et al. Int J Cancer 2008:123:187-94. 2. National Cancer Institute Fact Sheet. HIV Infection and Cancer Risk. National Institutes of Health. 2013.



EFFICACY OF DTG OVER TIME (SNAPSHOT, ITT-E)

 Day 8 efficacy: DTG was associated with significant reductions from baseline in HIV-1 RNA;



*Week 48 population (N=114) included those subjects who had the opportunity to reach Week 48 at time of data cut-off

Adapted from: 1. Nichols G, et al. HIV11 2012. Abstract O232 2. Nichols G, et al. IAS 2013. Abstract TULBPE19



Conclusions

PLWHIV are ageing

- Increased life expectancy of PLWHIV on ART
- Increasing numbers of people seroconverting at an older age

Risk of age-related co-morbidities is greater for PLWHIV than for HIVuninfected individuals

 Hypertension, CVD, diabetes, bone fractures, renal failure, and malignancies Treatment and prevention of co-morbidities alongside HIV poses challenges

- Additive toxicities
 - Contribution of ART toxicities
- Management of DDIs
- Multidisciplinary approach

Grazie per l'attenzione!