

CHAIRS

D. Margolis (Chapel Hill, US)

G. Silvestri (Atlanta, US)



Mortality linked to higher inflammation in kids with perinatal HIV

Elena Morrocchi, PhD

Poster session Feb 21th, 2023 -2.30-4.00 pm-

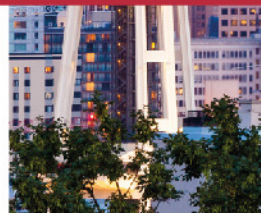
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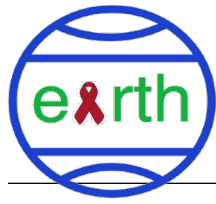


15° CONGRESSO NAZIONALE

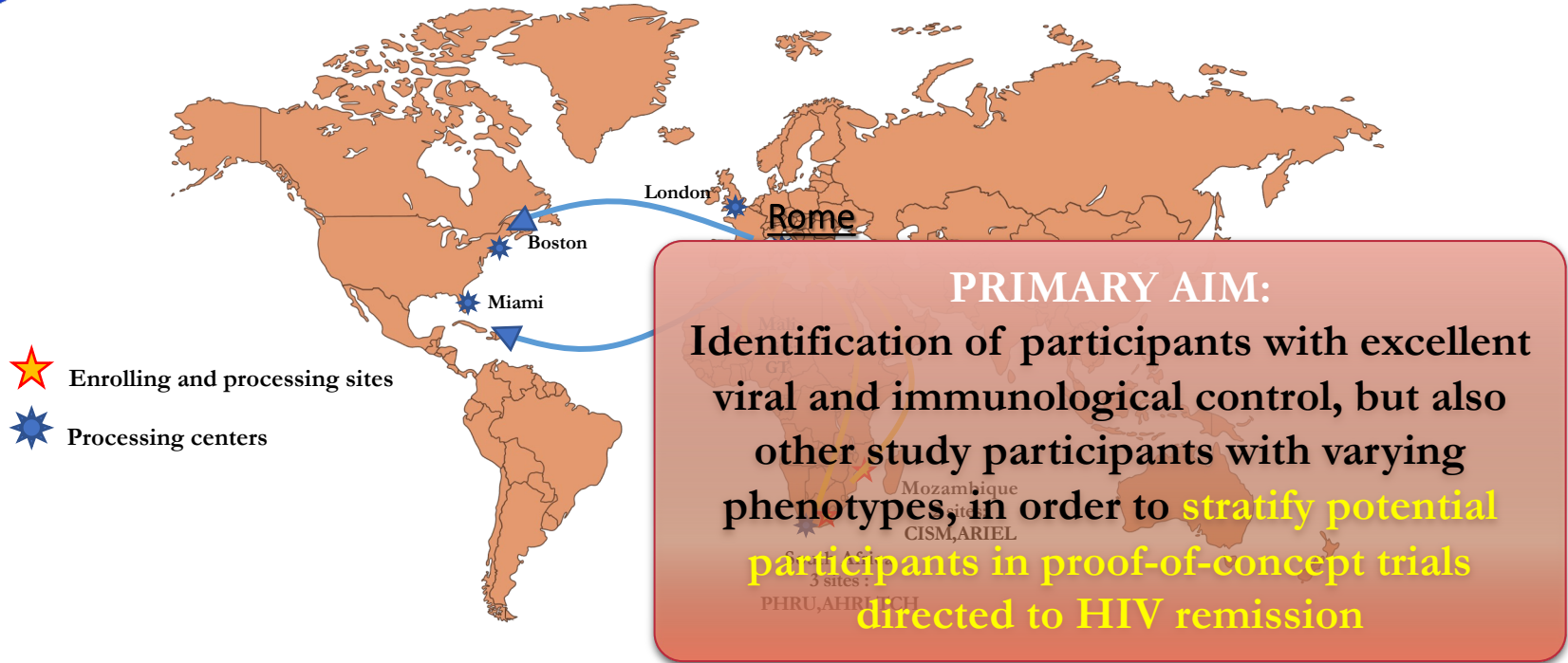
**Italian Conference
on AIDS and Antiviral
Research**

BARI 14-16 GIUGNO 2023 UNIVERSITA' DEGLI STUDI ALDO MORO





Early Anti-Retroviral Treatment In HIV Children



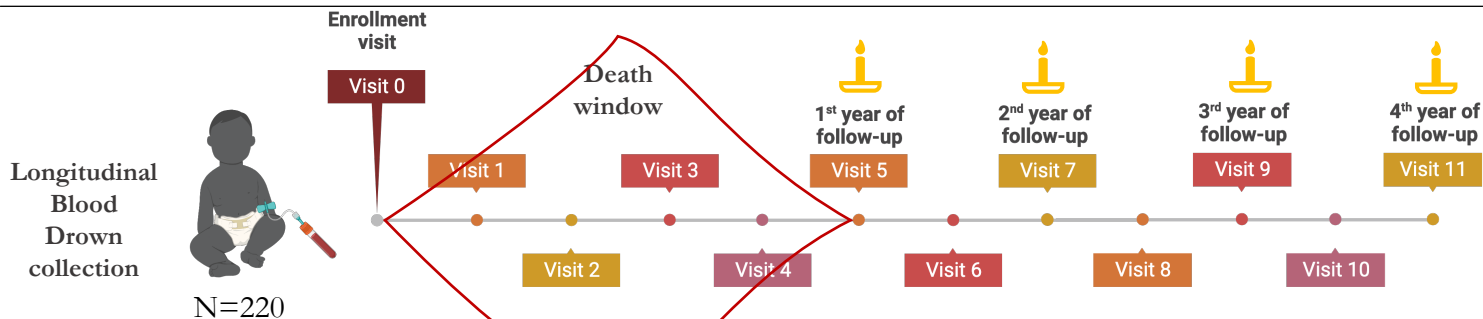
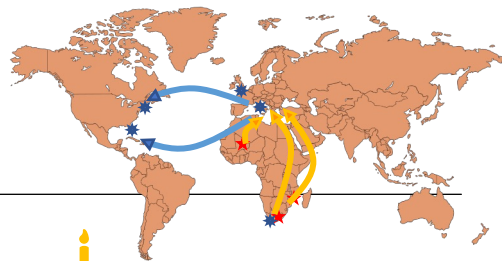
Study Design

711

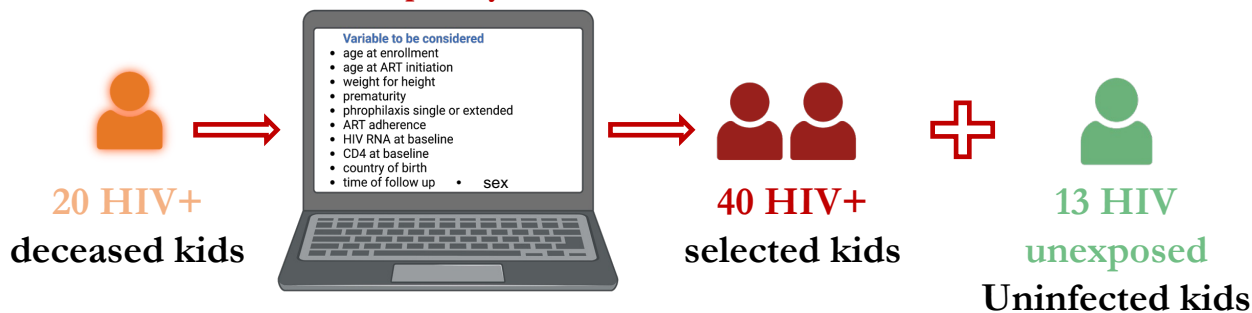


2-YEAR OUTCOME OF EARLY TREATED INFANTS IN SUB-SAHARAN AFRICA

Alfredo Tagarro¹, Sara Domínguez-Rodríguez¹, Louise Kuhn², Tacilita Nhamposha², Kennedy Otwombe⁴, Anita Janse van Rensburg⁵, Nigel Klein⁶, Maria Grazia Lain⁷, Almoustapha I. Maiga, Camille Brehin⁹, Carlo Giaquinto¹⁰, Paolo Rossi¹¹, Pablo Rojo¹

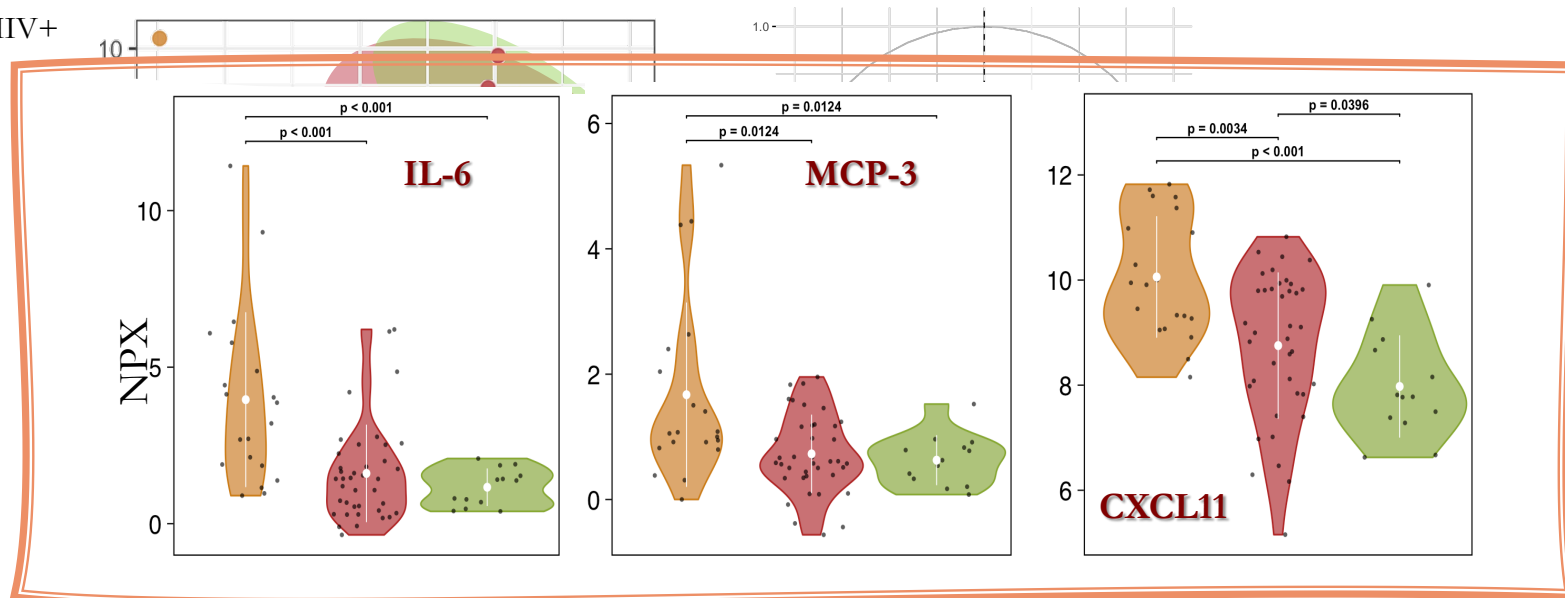


Calculation of the Propensity Score



Can pro-inflammatory proteins discriminate Dead-HIV+?

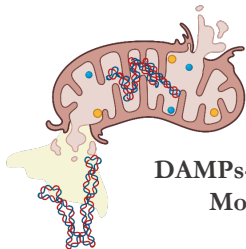
- Dead-HIV+
- HIV+
- HC



Endogenous damage associated molecular patterns (DAMPs) correlate with pro-inflammatory molecules only in Dead-HIV+

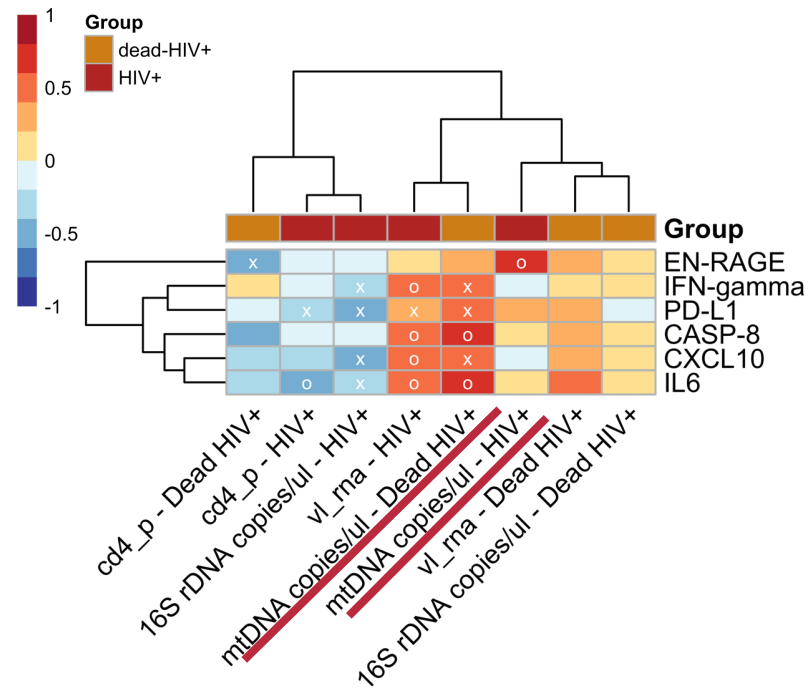


Prof. Anita De Rossi
Dr. Raffaella Petrara



DAMPs-Damage Associated
Molecular Patterns

Plasma samples of kids with HIV+ were investigated for DAMPS (mtDNA). Pro-inflammatory molecules (e.g. IL6, IFN-g) were found to positively correlate with DAMPs only in Dead-HIV+ group suggesting endogenous damage conversely to external one.

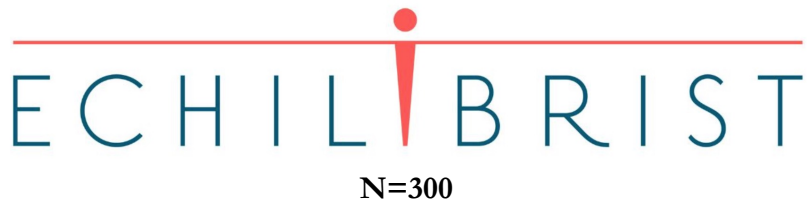


Conclusion

HIV+ children who prematurely died demonstrated higher concentrations of inflammatory molecules at enrollment, compared to severely ill HIV+ who survived.

Future directions

Confirm and implement our findings in other international cohorts



SEATTLE

WASHINGTON

FEBRUARY 20th, 2023

HYATT REGENCY SEATTLE

06.00 pm - 07.45 pm

ROOM 602 - NOOKSACK



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Thank you for the
attention!

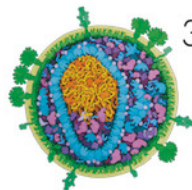
CROI Affiliated Event
for Italian Young
Investigators

IDS 2023

CHAIRS

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30th

CROI

Conference on Retroviruses
and Opportunistic Infections

SEATTLE FEBRUARY 19 - 22, 2023 SUMMIT CONVENTION CENTER

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Italian Conference
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Research

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