



Ottava Giornata della Ricerca della Svizzera Italiana

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Modulo per la sottomissione abstract di ricerca CLINICA

Titolo (massimo **15 parole**)

Screening and estimation of RHD national prevalence in Guinea Bissau in a schoolchildren population

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Testo (massimo **250 parole**, preferibilmente in italiano (accettato anche in inglese), suddiviso in Introduzione, **Metodi, Risultati, Conclusioni e Finanziamento**)

Background:

Rheumatic Heart Disease (RHD) remains a major cardiovascular affection in developing countries. No data exist about the prevalence of Group A Streptococcus (GAS) carriers and RHD in Guinea Bissau, a sub-saharian country with 1.6mil inhabitants with a life expectancy of 54 years and an infant mortality rate of 90,9/1000. Our aim is to report the prevalence of GAS and RHD in a community based rural population.

Methods:

309 pupils attending primary/secondary schools (Jan 2017) were screened with a rapid, swab based, streptococcus membrane immunoassay test (RST). All students underwent clinical examination: those with positive swab and/or with cardiac pathological murmur were screened with echocardiography for RHD.

Results:

Among 309 children [females 171 (55,4%) mean age 12.8±4.4 y, mean body weight 41±14 Kg], 47 (15%) had a positive RST while a murmur was detected in 29 (9.3%). RHD was identified in 21 subjects (6.8%). Echocardiography revealed 20 mitral regurgitations and 1 mitral stenosis, all of mild degree. Out of 21 with RHD, 4 children had a negative swab. Considering a population in the age of 5-15y of 240000 subjects, we estimated a national prevalence of silent RHD of about 16000 subjects.

Conclusions:

Prevalence of GAS in this community based screening is 15%, with 6.8% children presenting typical signs of RHD. In 21 children with defined RH prophylaxis with benzitilpenicilline was started. We aim to extend this screening to 3000 additional students in the next 2 years.

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Visto superiore (prego indicare Nome e Cognome del superiore)

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Criteria per sottomissione Abstract:
NO Case report
NO Abstract senza nessun risultato
VISTO da un superiore



Invio Abstract