

Erratum

TYPES OF MARRIAGES, POPULATION STRUCTURE AND GENETIC DISEASE – Erratum

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Some errors in the calculation of coefficient of inbreeding (F) and mean coefficient of inbreeding (α) values were detected in this article and have been re-calculated.

Page 3, Methods, paragraph 3, should read:

A coefficient of inbreeding (F) was calculated for each couple and mean coefficients of inbreeding (α) for the population then analysed for each period (Freire-Maia, 1974). Consanguineous marriages were classified according to the degree of relationship between spouses, i.e. double first cousins ($F = 1/8$), first cousins ($F = 1/16$), first cousin once removed ($F = 1/32$), second cousins ($F = 1/64$), second cousin once removed ($F = 1/128$) and third cousins ($F = 1/256$) (Lancaster, 2007). For all individuals and couples whose degree of inbreeding was not specified the value of F was taken to be $1/16$, because since 1983 the dispensation requirement for marriage has been a 4th grade civil relationship, i.e. first cousins. All of the recorded degrees of consanguinity were converted from canonical to civil nomenclature.

Page 4, Results, paragraph 3, should read:

The values of F ranged from 0.000703 to 0.085508 per year, and the mean coefficient of inbreeding (α) was 0.014530.

Page 5, Results, paragraph 2, should read:

The values of F ranged from 0.000125 to 0.087281. The highest F value was in 1951 when 99.4% of marriages were endogamic, and 24.2% of these marriages were consanguineous. The mean coefficient of inbreeding (α) for the 2nd study period was 0.005670.

Page 6, Results, paragraph 2, should read:

In this period, the frequency of consanguineous marriage was 4.2%. The average F value was 0.001674 and ranged from 0.000250 to 0.098562 per year.

Page 10, new reference:

Lancaster, F. M. (2007) *Genetic and Quantitative Aspects of Genealogy*. URL: <http://www.genetic-genealogy.co.uk/index.html>

References

Machado, T. M. B., Bomfim, T. F., Souza, L. V., Soares, N., Santos, F. L., Acosta A. X. & Abe-Sandes K. (2012) Types of marriages, population structure and genetic disease. *Journal of Biosocial Science* published online 25 October 2012, doi: 10.1017/S0021932012000673