| CURRICULUM VITAE | **Diarifanomezantsoa Tsirilalaina RANDRIANIRINA**
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28 years old – Malagasy
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EDUCATION BACKGROUND

Sept – Oct 2018	Online course on using R software by FUN MOOC
2017 – 2018	Thesis project: "Determinants of depression among medical interns in Antananarivo" ongoing process – currently in 9th year of medical school (human branch)
2015	Completion of 6 years of theorical courses at the Medicine School of the University of Antananarivo
2008	High School Diploma, with honors "Bien"

PROFESSIONAL BACKGROUND

2016 – Nov 2017	Internship at the Hôpital Joseph Raseta De Befelatanana (HJRB) and the Hôpital Joseph Ravoahangy Andrianavalona (HJRA)

COMPUTER SKILLS

Pack office, R software

LANGUAGE SKILLS

English: bilingual proficiency
French: bilingual proficiency
Malagasy: native

INTERESTS

Sports: Running, football
Reading
Documentary

Abstract describing the research project :

The study is entitled « Prevalence and determinants of depression among medical students in the 7th and 8th year in Antananarivo ». The aim of this study is to estimate the prevalence of depression and to identify its determinants among medical students in the 7th and the 8th year in Antananarivo.

Depressive illness is currently one of the world's public health problems, afflicting 300 million people globally and will become the second leading cause of disability in 2020. Many are the consequences of depression but the most feared is suicide. Depressive illness affects all kinds of people, including doctors and students in medical training. An American study has shown that the prevalence of the disease or onset of depressive symptomatology among medical residents is significantly higher than the general population. For Madagascar, no study on medical students has been established to date.

In order to meet the objective set, a cross-sectional study was carried out from March to April 2018. Individual data on the 7th and the 8th year in medical students were collected by using autoquestionnaires. Depression was diagnosed using the Hospital Anxiety and Depression scale (HADs score > 10).

The checked and cleaned data were analyzed using the R statistical software (version 3.4.3; The R Foundation for Statistical Computing, Vienna, Austria). Descriptive analysis was performed using proportions for categorical variables and means and medians with interquartile ranges for continuous variables. Subsequently, a bivariate analysis was performed in order to identify the explanatory variables to be included in the multivariate analysis. All explanatory variables having a p-value < 0.20 in the bivariate analysis, and independent of each other were selected for developing multivariable logistic regression model. A backward stepwise logistic regression was applied to obtain the variables associated with depression. Odds ratio (OR) were calculated from the estimated coefficients. Interactions between the independent variables were tested.

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E²M²: Ecological and Epidemiological
Modeling in Madagascar
January 12-21 2019
Centre ValBio, Ranomafana National Park & Institut
Pasteur de Madagascar, Antananarivo

Dear Sir/Mrs,

I am a student in the 9th year of study at the Faculty of Medicine of Antananarivo, waiting for the presentation of my thesis. I would like to broaden my research skills, precisely in modeling by participating in this workshop called "Ecological and Epidemiological Modeling in Madagascar".

My training at the hospital during the years of my study made me see the extent and gravity of infectious diseases such as HIV infection, hepatitis B, tuberculosis or non-infectious diseases like cancer. And, this year, I had the occasion to learn about the methods used in epidemiology and a small part of the role of modeling in Epidemiology as part of the preparation of my thesis. The topic was about "determinants of depression among medical interns in Antananarivo". Beside these, I had the opportunity to perform my own data analysis with "R". I would like to go further in the acquisition of knowledge in the research field, using diverse methods and techniques to achieve better results. Participating in this workshop "Ecological and Epidemiological Modeling in Madagascar" would be therefore a great opportunity for my future researches.

I am extremely motivated to join your teams and will not miss, if the opportunity is given to me, to show you my willingness to learn, my rigor and my ability to integrate quickly.

Please, find attached my resume for more details on my background. I am also at your disposal for any request for additional information you would need. Thank you for considering my application. It would be an honor to continue my learning, to further enrich my knowledge, to carry out this training within this program.

Looking forward to a favorable response from you, please accept my sincere greetings.

The interested,

RANDRIANIRINA Diarifanomezantsoa Tsirilalaina