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DEPARTMENT OF STATISTICS

LETTER OF STATISTICAL SUPPORT

Date: **19/10/2018**

This letter is to confirm that **Ms C Ascencao** studying at the University of Pretoria discussed the project with the title **EXPLORING THE OUTCOME OF POST-OPERATIVE INTERVENTIONS TO PREVENT A PARALYTIC ILEUS IN ABDOMINAL SURGERY PATIENTS** with me.

I hereby confirm that I am aware of the project and undertake to assist with the statistical analysis of the data generated from the project.

The SAS v.9.4 software will be used to perform the analysis. Statistical techniques: descriptive statistics (frequencies, means, medians and standard deviations) will be performed to describe the data. The Pearson chi-square test will be used to measure association between Independent variables and the dependent variable (Outcome variables). The logistic regression model will be conducted to model the relationship between the independent variables and the outcome variable: Diagnosis of a paralytic ileus. The multinomial regression will be performed to model the relationship between independent variables and the outcome variable: Patients outcomes.

The **sample size** will consist of approximately 200 records of patients who meets the inclusion criteria.

NAME

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