

## **Appendix 1**

### **TABLE OF CONTENTS**

- 1. Methods: statistical analysis**
- 2. HOPE Participating Hospitals. Principal Investigators, per center.**
- 3. Scientific committee.**
- 4. Collaborators.**

## **METHODS: STATISTICAL ANALYSIS**

Data are presented as mean  $\pm$  standard deviation for continuous variables with a normal distribution, median (interquartile range) for continuous variables with a non-normal distribution, and as frequency (%) for categorical variables. Student's t-test and the Mann–Whitney U-test were used to compare continuous variables with normal and non-normal distributions, when needed. The Chi-squared-test or Fisher's exact test was used to compare categorical variables. Univariate analysis was performed for qualitative variables and reported as odds ratios (OR) with 95% CI. In order to adjust the different clinical profiles observed, we performed a propensity score matching (PSM 1:1; 0.01 tolerance, without replacement, nearest neighbor), in order to obtain balanced pairs. Variables included were: Age, hypertension, dyslipidemia, diabetes, smoking habit, kidney failure, history of heart disease, connective tissue disease, lung disease.

The standardized mean differences were estimated before and after the matching and balance between both matched cohorts was assessed using the Hotelling T-squared test. All standardized mean differences after matching were below 10%. Calibration was tested using the Hosmer-Lemeshow test and accuracy was assessed using the area under the ROC curve.

Statistical analysis was completed with SPSS statistics v24.0 (SPSS, Inc., Chicago, IL, USA) and Graphpad prism 4 (La Jolla California USA). All tests were 2-sided, and a *P* value less than 0.05 was considered statistically significant.

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