

## **Statistical analysis**

Statistical analysis was performed using SPSS v.18 Chicago: SPSS Inc. Data was tested for normality using a Kolomogorov-Smirnov Test, and a Student's T-Test was for analysis of normally distributed continuous data. Categorical variables were compared using  $\chi^2$  or Fishers exact test where expected frequencies were less than 10. Relationship between independent variables and time to event was compared using Kaplan-Meier methodology using the Log Rank test to determine significance. Multivariable analysis was performed using bivariate logistical regression and Cox Proportional Hazards modelling. Statistical significance was assumed at the 5% level. Statistical analysis was conducted with the support of Dr Oweb Bodger, statistician at Swansea university school of medicine.