**Data Analysis**

The *in vivo* data (Figures 3.1-3.3) for a sample size of eleven patients were analysed qualitatively in consultation with a pathologist. For the analysis of data from cell growth and migration measurements (Figures 3.4-3.9), a one-way analysis of variance (ANOVA) was used. For skewed data, nonparametric regression was employed. A sample size of nine was employed for analysis of cell growth and migration measurements. Statistical testing was at the 0.05 level of significance.