The innovative scientific clinical data management “booster” for the clinical research

ABSTRACT

The aim of this paper is to present a realistic and innovative solution for having high quality data management which certainly increase the reliability of the clinical research and therefore the fame of the companies (CRO). Our findings indicate that the appropriate research methodology for every clinical study in combination with innovative scientific clinical data management can create absolutely reliable data, zero errors, zero biased data, and high quality conclusions. Specifically, our research was based on 78 different clinical studies’ data, we realized specific research methodology for every study, according to the scientific criteria and to research ethics. We used an innovative statistical method for data analysis combining ANOVA, Chi-Square Test and Econometric Analysis (binary regression analysis model), in order to obtain high quality results, according to the validity and reliability criteria. Our groundbreaking research offers high quality and innovative clinical data management in scientific level, eliminating the biggest obstacle which is the biased results and the errors.

Keywords: Clinical data management, scientific management, research methodology, CRO.

SPIN OFF: AN INNOVATIVE MANAGEMENT SHIELD FOR SMES AGAINST TO FINANCIAL CRISIS

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This paper discusses the Small and Medium Enterprises (SMEs) despite the financial crisis via innovative management. It is believed that the first victims of the debt and financial crisis are the SMEs and for this reason we present the creation of a dynamic " shield" via spin off and university research. A literature review took place to investigate the issue and to prove that the change of the " usual" into innovative management in Small and Medium Enterprises gives direct solutions with smaller investment cost. On the other hand, the author claims that the university research in combination with the creation of spin off companies could give valuable solutions to the SMEs for their survival in difficult financial periods. An in depth research took place based in questionnaire data on 256 companies. The combination of econometric and statistical analysis gave reliable results. The finding confirmed the research hypothesis and the target of this study, giving innovative proposals on how the SMEs can be developed via collaboration with universities and spin off companies, especially in smaller countries in which the SMEs are the " spine" of their economy.

Keywords:
SMEs; spin off; crisis; management; research methodology