Abstract

Publishing negative results in different countries represents a debate among the scientists and researchers. Numerous studies in different countries have shown the importance and the positive impacts of publishing negative data to improve the healthcare and the biopharmaceutical innovation and prolong the lifetime expectancy via spreading knowledge even the part of it considered as “negative data”. Importantly, the biopharmaceutical innovation is still facing a variety of ethical challenges which gives birth to a lot of criticisms in the healthcare community and in the public. Indeed, nowadays publishing negative research data and clinical trial results disclosure still an ethical issue that requires a convincing rational answer. In this article, we give an ethical sight about the unpublished and undisclosed negative research results and the necessity of their publication. Moreover, the need of publishing trial results failures reports remains an important question as well.

Keywords: publication, negative results, biopharmaceutical innovation, ethics

Publishing negative data

Despite the huge sums the biopharmaceutical companies spend to innovate a new bio drug, they still face a lot of ethical obstacles on publishing data. For instance, a trial results publication average study, which was funded by the National Health Service (NHS) in 2010, estimated that 50% of the clinical trial results have never been published; these statistics are based on evidences since 1950s on more than hundreds of researches on several clinical tests. Sometimes, to avoid the loss of credibility in the public and in the market, the company avoids publishing the negative information. The clinicians should be honest and impartial during the clinical trial results publication, the trial reports must be truthfully shared without any misleading or deception. According to the international committee of medical journal editors, in order to gain the confidence and credibility with the scientific research community, clinicians must be highly ethical in publishing the results of the experiments transparently. When negative data are honestly and clearly published, it can help to save efforts and a huge amounts of money, because several companies might work at the same time on the same compound, so when the company publish the negative data, the other companies can take that into consideration for the target issues and can reformulate this compound (during a pharmacological study for example), sharing results can also boost the confidence and the trust in the healthcare community especially that publishing improve help the collaboration between each other to innovate better, save lives and advance the healthcare. Moreover, publishing the negative data is a behavior that can help to inform the reader and the patients and give them an overview about the clinical trials methods and how clinical research is conducted and give them a sight about disadvantages that can occur in order to give them the choice regarding a possible participation and avoid exposing them to an inefficient therapy trial and also lead to progress in scientific research in the future.

In the UK, the British pharmaceutical giant GlaxoSmithKline (GSK) did a clinical trial of an anti-depressant bio drug (seroxat). This research included nine studies in depressed children, some children were provided with (seroxat) and others were provided with placebo.
control, an accurate data examination of the nine studies by the food and drug administration (FDA) and the memorial clinical association (MCA) found out that the (seroxat) have no efficacy in the adolescent depression and that the patients that were provided with an active compound or already stopped taking the (seroxat) had suicide attempt, in contrast those who took placebo have not this suicide thoughts, the noticeable item which the investigators point the finger on is the research results publication, between all this nine studies, only one study result was published by the GSK, this publication mentioned that the bio drug was better than providing the child with a placebo and this bio drug cannot lead to suicide attempt. Due to this unethical falsification and data mislead and fraud, human life can be exposed to risks and harm, later the GSK will be punished and fall into many problems and judicial troubles in the USA, this lead to a huge sums loss, a credibility and public trust drop leading to company reputation decline.

Recently in the healthcare field, the rate of losses is witnessing a terrible rises due to the lack of publication and report shortage, the healthcare community and the public need more publications of techniques and expenses about the research trial. The most important issue which all the healthcare professionals should take into consideration is that the human being benefits and welfare is more important than the company benefits, the lack of negative results publication is among the biggest healthcare research challenges, several big companies declared that every clinical information (positive or negative) should be published, do not show the reality (negative results) is seen as a fraud, a deception, a nontransparency and a scientific research shame and misconduct which can affect the humanity wellbeing in general. Indeed, every poor publication or mislead can lead to heavy consequences that can affect the patient health quality. In addition to the bad financial and scientific outcomes which can be caused by misleading publications, it is also a kind of morality violation and ethical rules infringement. Hiding the negative data affects the science in general, the effective way to ameliorate this lamentable situation is the existence of journals and publishers which can disclose and share these negative results with the healthcare community and the public need more publications of techniques and expenses about the research trial. The authors declare that there is no conflict of interest.

Perspectives

We are at a time when the misleading behaviour and the non-disclosure of the research results and data are totally noticeable. This dilemma did not find persuasive ethical answers yet and gave birth to a huge controversy in the health care area. Indeed, it is among the most substantial issues that have created a big debate within the social and political leaders, clinicians and researchers. Therefore, the whole healthcare team must work according to a moral and ethical way, because the role of the researchers is not only about producing and discovering, but it is also an extremely ethical issue. The contribution of the research results disclosure in developing the health sector and improve patient health is with great advantages thus, the research staff should always think about it. It would be an advanced step if the whole healthcare professionals and researchers adhere to the high ethical standards and awareness, and make their main aim to enhance the patient’s health and just focus on serving the patients wellbeing and improve the healthcare. It would also be a sophisticated behavior if they always think about the future and have long-term thinking and consider the improvements that can occur in the health sector rather than thinking only about the near future and the short term. In this way, we will observe the welfare spread, the honesty, the transparency between the patients and healthcare teams and recognize the prevalence of the cooperative spirit between researchers for serving the health sector, the public and the whole humanity interests.

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Conflict of interest

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