

# Why does Medicine need Scientific Journals?

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Modern era of medicine has two distinct features that have made it significantly different from the past periods. They are evidence-based decision-making and their guideline-directed implementation. The former gives clear answers to practical physicians which diagnostic tool, remedy or surgical approach is best for the specific problem. The latter delivers the knowledge in a concise summary, guiding its implementation. In the result, patients benefit from the finest medical care and improve their outcomes with every decade.

In the past, health care givers developed their medical concept from the experience of their mentors and modified it throughout personal practice. No doubt, concilia with colleagues boosted noesis. However, that knowledge had always been under the risk of unsupported interpretations and other disfigurations. Consequently, not infrequently physicians had faulty understanding and could apply questionable as by the current standards treatment.

How did medicine come to the modern level of excellence? Scientific approaches applied in every aspect of development of modalities, their standardized applications, analysis based on sophisticated statistical methods and comprehensive interpretation of the results of course played (and still play) their role. But what would be the core driver for the evolutionary growth? The question might seem philosophical but in fact it carries practical facets. This is so because the answer is open communication. Discussions of the good and bad, success and failure, improvement and deterioration, or even negligible outcomes – these are what broaden the horizons to move forward. Scientific applications follow and result in evidence-based support.

Communication is what scientific journals offer. The current project, due to its wide scope of coverage, allows authors and readers to delve into medical problems and with this potentially contribute to the further progress.