

Medicine nine layers times



In the old days, after drying wild plants and tree bark in the shade, they were chopped up and packed in mixed bags, or mixed with water and kneaded into powder, put into shells, etc., or made into pills and sold as secret medicines. There was a time when The raw materials are almost free, and since the products are produced in-house, labor costs are close to zero. That sold at a high price. It was referred to with some derision and envy as "drugs with nine layers," meaning that they were representative of high-value-added products that could be made cheaply and sold at a high price. It was probably meant as a sarcasm, saying, "It's so cool that you guys are making so much money."

However, the current state of medicine is far from "drugs with nine layers." In other words, modern pharmaceutical products must adhere to strict international manufacturing and quality control standards, which requires significant costs for equipment, personnel, and test data management.

When it comes to new drugs, first of all, it costs a lot of money to apply for a patent, and then it takes a lot of time and effort to clear the clinical trial implementation standards for pharmaceuticals. One theory is that each new drug costs tens of billions of yen to develop and takes nearly 10 years. It seems that it requires.



Therefore, new drugs can only be created in pioneer countries with comprehensive social environments, such as Japan, the United States, and Europe, and it is said that thorough preliminary research is important when developing new drugs.

Standards are also established for post-marketing surveillance of drugs, provision of drug information, and collection and communication of side effect information.

Competition among pharmaceutical companies seems to be quite tough these days, as it is no longer possible to provide fancy entertainment or goods to doctors in drug sales.

As a result, the good old saying "Medicine nine layers times" has been shelved.