Review of: "Various applications for biological-electrical nano sensors (Nano bio sensor)"

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Potential competing interests: No potential competing interests to declare.

Note: Nano bio sensor is the name of a group of sensors. These sensors are designed to react with only one specific substance. The result of this reaction is in the form of messages that a microprocessor can analyze.

Biosensors have been the focus of many research centers in recent years. Since biosensors are a powerful tool for identifying biological molecules, today they are used in various medical sciences, chemical industries, food industries, environmental monitoring, production of pharmaceutical and health products, etc. Biological nano sensors (Nano bio sensor) The human sense of smell and taste, which detects different smells and tastes, or the body's immune system, which detects millions of different types of molecules, are examples of natural biosensors. Biosensors are most widely used in medical diagnostics and laboratory sciences, currently glucose biosensors are among the most successful biosensors available in the market, which are used to measure the blood glucose concentration of diabetic patients. The pancreas of diabetic patients does not produce enough insulin. In such cases, it is used for adjustment. Insulin is essential for continuous monitoring of blood glucose levels. Sensors help diabetic patients to measure their blood glucose levels throughout the day and inject insulin when needed.

Various applications for biological nano sensors (Nano bio sensor) are mentioned below:

- Diagnosis and treatment of diseases (cancer, diabetes, etc.)
- Diagnosis of diseases at the gene level (cancer, diabetes, etc.)
- Diagnosis of pathogens
- Measuring drugs and their metabolites, discovering new drugs and evaluating their activity
- Evaluation and measurement of analytes in the biological sample
- Rapid diagnosis of diseases using rapid or care-of-point tests, the characteristic of these tests is the speed and
cheapness of the testing method.

**Conclusion:**

Biological nano sensors (Nano bio sensor) is the name of a group of sensors. These sensors are designed to react with only one specific substance. The result of this reaction is in the form of messages that a microprocessor can analyze.

[1][2][3][4][5][6][7][8][9][10][11][12]

**References**