



# **Where Medicine Went Wrong: Rediscovering the Path to Complexity: 11 (Studies of Nonlinear Phenomena in Life Science)**

*Bruce J West*

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*Where Medicine Went Wrong* explores how the idea of an average value has been misapplied to medical phenomena, distorted understanding and lead to flawed medical decisions. Through new insights into the science of complexity, traditional physiology is replaced with fractal physiology, in which variability is more indicative of health than is an average. The capricious nature of physiological systems is made conceptually manageable by smoothing over fluctuations and thinking in terms of averages. But these variations in such aspects as heart rate, breathing and walking are much more susceptible to the early influence of disease than are averages.

It may be useful to quote from the late Stephen Jay Gould's book *Full House* on the errant nature of averages: "... our culture encodes a strong bias either to neglect or ignore variation. We tend to focus instead on measures of central tendency, and as a result we make some terrible mistakes, often with considerable practical import." Dr West has quantified this observation and make it useful for the diagnosis of disease.

### Contents:

- Chance and Variation
- The Expectation of Health
- Even Uncertainty Has Laws
- The Uncertainty of Health
- Fractal Physiology
- Complexity
- Disease as Loss of Complexity

**Readership:** Healthcare professionals, pre-med students and general readers. May be used as a supplementary text for advanced undergraduate or graduate course in complexity science.

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Spent a free time and energy to be fun activity to do! A lot of people spent their down time with their family, or all their friends. Usually they accomplishing activity like watching television, about to beach, or picnic in the park. They actually doing same thing every week. Do you feel it? Do you want to something different to fill your personal free time/ holiday? Could be reading a book may be option to fill your no cost time/ holiday. The first thing that you'll ask may be what kinds of book that you should read. If you want to try look for book, may be the book untitled Where Medicine Went Wrong:Rediscovering the Path to Complexity: 11 (Studies of Nonlinear Phenomena in Life Science) can be fine book to read. May be it might be best activity to you.

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People live in this new day time of lifestyle always try and and must have the extra time or they will get lot of stress from both everyday life and work. So , when we ask do people have spare time, we will say absolutely of course. People is human not a robot. Then we request again, what kind of activity do you possess when the spare time coming to a person of course your answer may unlimited right. Then do you ever try this one, reading ebooks. It can be your alternative with spending your spare time, typically the book you have read is definitely Where Medicine Went Wrong:Rediscovering the Path to Complexity: 11 (Studies of Nonlinear Phenomena in Life Science).

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