Step by step I am developing an online tutorial of methodology and present important elements of methodology for medical practitioners and those interested in medicine, for journalists and methodological laypersons and students. In the end, it will become a small study compendium. Guest contributions are welcome.

Harald Walach

English Language Chapters

Part 1 – Evidence: An Unreflected Battle Cry
Part 2 – Hierarchy Or a Circle of Evidence
Part 3 – Consequences of the Hierarchical and Circular Models
Part 4 – Evidence Based Medicine in Action
Part 5 – On the Relationship between Empiricism and Theory 1
Part 6 – Who Needs What? Empiricism and Theory 2
Part 7 – Decline Effects and the Public Representation of Scientific Results in the Media
Part 8 – Industry Bias – a New Form of Bias or an Interesting Experimenter Effect?
Part 9 – Inner and Outer Experience – Zen and Science
Part 10 – Plausibility Bias and the Widespread Opinion That Homeopathy Has Been „Disproved“
Part 11 – How Scientific Is Complementary Medicine?
Part 12 – Vitamins: On The Impossibility of Being Able to Examine the Most Important Things in Life in Studies
Part 13 – Power Analysis: The Magic of Statistics
Part 14 – Tamiflu – „The Biggest Theft in History“
Part 15 – Can a Meta-analysis Determine Whether the Effects of Homeopathy Differ from Those of Placebo?
Part 16 – What Does „Scientifically Proven“ Mean? – The Replication Problem in Research
Part 17 – What Is a „Scientific Fact“? A Small Case Study: The „Measles Process“
Part 18 – Why the Hierarchical Model of the “Evidence Based Medicine” Movement Falls Short
Part 19 – What Is Scientific Information?
Part 20 – Neuromythology – What Happens When You Violate Statistical Premises
Part 21 – Circle Instead of Hierarchy in a Bayesian Analysis
Part 22 – Epidemiology and Infectiology – Pitfalls of Bare Figures
Part 23 – How Do Meta-Analyses Actually Work?
Part 24 – Modelling And Regression
Part 25 – Models And Causality