



NAVIGATING NUMBERS IN MEDICINE

a series of masterclasses

Ahoy, fellow students!

Do you sometimes feel lost in the sea of medical statistics and research methodology?

Are you concerned about how some data should influence your opinion or practice?

“Navigating Numbers in Medicine” is a series of Masterclasses organized by leading scientists from Charité University Medicine and the Berlin Institute of Health (BIH).

The modules consist of interactive lectures, discussions, group exercises and excursions and there is only a limited number of seats available.

So, come on board - apply now!

Cpts. Benz, Keller, Kurth, Siegerink and Dirnagl

MODUL 1: Statistical Literacy for Everyday Clinical Practice

The first Module will cover the basic skills necessary for dealing with numbers in daily practice to support healing and patient care. We will look at the most common forms of statistical mistakes and manipulation found in the news media and other information outlets, provide easy tools for diagnostic risk assessment in situ, how to easily and efficiently extract information from the scientific literature, how to effectively and transparently communicate this evidence to patients, as well as what to do when there are no numbers to guide you: in situations of clinical uncertainty.

Lecturer: Dr. Niklas Keller

- Masterclass 1 - Statistical Literacy for Everyday Clinical Practice		
Session	Content	Time
Risk Literacy 1	Manipulation with numbers - and how to guard against it	Tuesday 7.11. 16:30-19:00
Risk Literacy 2	Risk assessment in medical diagnostics	Tuesday 21.11. 16:30-19:00
Risk Literacy 3	Dealing with uncertainty	Tuesday 5.12. 16:30-19:00
Risk Literacy 4	Extraction and communication of medical evidence	Tuesday 19.12. 16:30-19:00
Excursion	Visit to the Harding Centre for Risk Literacy	tba

TO APPLY PLEASE USE THIS FORM: <http://bit.ly/2zb9AWO>

MODUL 2 „Papers and Books“

In this Masterclass you will read a series of papers as well as a selected book to show you how medical science tries to answer the ultimate question: „should we treat or not? “.

The papers chosen will primarily be original research articles, some reviews, but all with clinical research background. Although the complexity of articles will differ per meeting, we aim to cover classical study designs and methods relevant to the overarching theme „intended effects of treatment “. We close this series by discussing the book *Bad Pharma*, a book written by Ben Goldacre. In this book, Goldacre is very critical to the way new medical treatments are developed, tested and brought to the market. Is criticism justified?

This Masterclass meets 8x for 2 hours and for each meeting we expect people to prepare for a good discussion.

Costs: 10-15€ Costs of the book “*Bad Pharma*” you get to keep the book

- Masterclass 2 - Papers & Books - intended effects of treatment		
Session	Content	Time
Papers & Books 1	Discuss article 1: RCTs	Thursday 9.11. 16:00-18:00
Papers & Books 2	Discuss article 2: cohort studies	Thursday 23.11. 16:00-18:00
Papers & Books 3	Discuss article 3: case-control	Thursday 7.12. 16:00-18:00
Papers & Books 4	Quest Opening lectures (video)	Thursday 14.12. 16:00-18:00
Papers & Books 5	Discuss article 4: crossover	Thursday 11.01.'18 16:00-18:00
Papers & Books 6	Discuss article 5: economic evaluation	Thursday 25.01. 16:00-18:00
Papers & Books 7	Bad pharma 1	Thursday 08.02. 16:00-18:00
Papers & Books 8	Bad pharma 2	Thursday 22.02. 16:00-18:00

TO APPLY PLEASE USE THIS FORM: <http://bit.ly/2gkqJK4>

General Conditions:

- All Masterclasses are held in English and take place at the Charité Campus Mitte (CCM).
- We have space for a maximum of 30 participants per class
- Please make sure that you can attend all the dates.
- To apply, use the google forms:

- Statistical Literacy for Everyday Clinical Practice <http://bit.ly/2zb9AWO>
- Papers and Books - intended effects of treatment: <http://bit.ly/2gkqJK4>

If you have any questions please feel free to contact us per mail:

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navigatingnumbersblog.wordpress.com