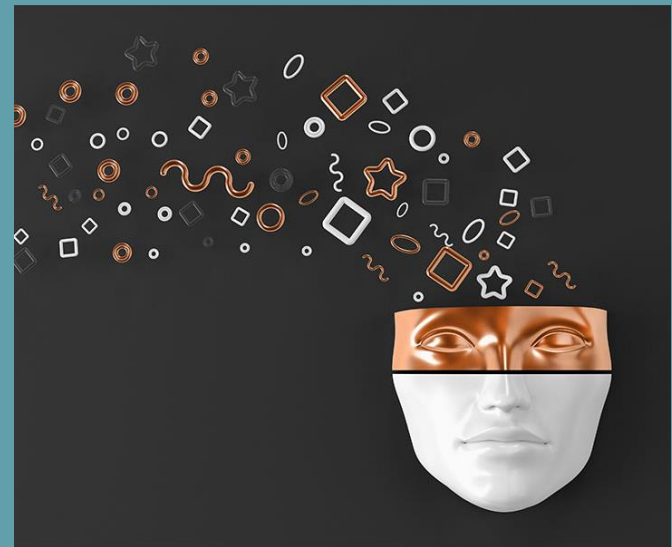


Clinical Innovation

Open-Minded Thinking to Improve Patient Care

Lunch Symposium Introduction – Amir Matityahu, MD


- Presentation by
- **Christian Krettek, MD**
- Professor Emeritus
- Trauma department
- Hannover Medical School
- Hannover, Germany



Assumptions about being creative

- Artistic?
- Work in R&D?
- Scientist?
- You have to be one of the "special ones" to be creative?
- Put your hand up if you CAN'T come up with ideas to solve problems...
- Put your hand up if you CAN'T take advantage of opportunities...





We all have the capacity to develop ideas to solve problems

1. We can connect knowledge we already have to create solutions
 1. Lamp, Sewing Machine, Film from a camera= Cinema Projector
2. We can work in teams to amplify our ideas
3. We can increase our diversity of thought by open-minded thinking

What is Open-Minded Thinking?

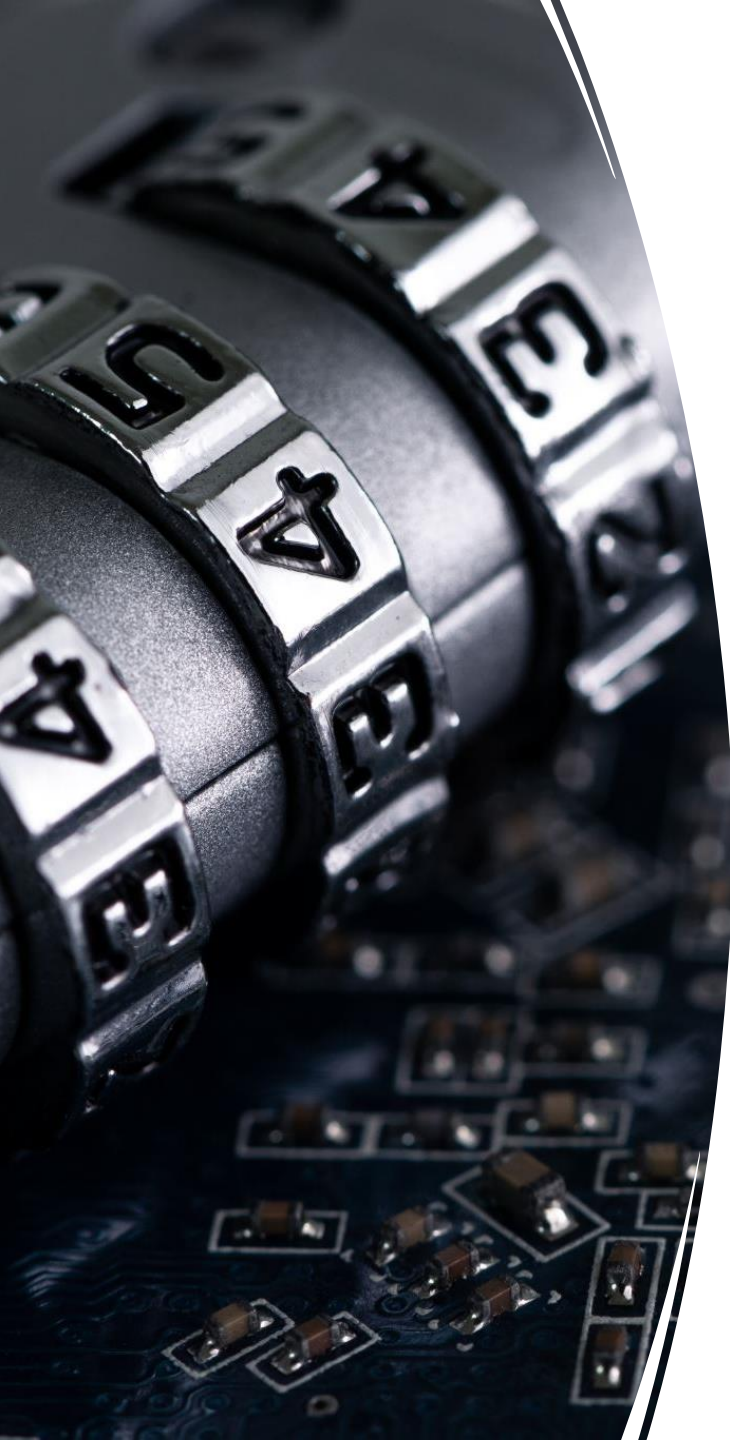




Socrates

Open-minded thinking

- Method of inquiry
 - Eliminate subjective bias and get at the truth
 - debate different viewpoints
 - objectively look at the evidence provided to uphold those different viewpoints.



Open-Mindedness

- Being more open to different ideas, cultures, points of views, modes of expression and styles
- Realizing that our viewpoint may not always be right.
- Open to all sources and types of information
- Leads to making connections between the presented information and a solution.



Open-Mindedness

- In summary
 - Consuming a lot of information and then creatively connecting this information to solve the problem at hand.
 - Steve Jobs,
 - "connecting the dots."

Dr. Krettek – The Condensed Academic Biography

- More than 900 peer reviewed articles
- Cited more than 35,000 times
- Poller screws
- Locking plates
- Alignment techniques and tools
- Reduction techniques and tools
- Nailing techniques and tools
- Percutaneous Sumbuscular plating
- Minimally invasive plating techniques
- Computer and robotic assisted osteosynthesis
- Polytrauma
- Solutions to complex problems
- Etc, etc, etc... innovative and ahead of their time



A curious, enthusiastic
innovator with ideas that solve
practical problems

So, what do
we do after
we retire
with all that
enthusiasm
and
creativity?

Learn how to play
the piano



So, what do we do after we retire with all the enthusiasm and creativity?

Learn how to fly a drone





Christian Krettek, MD

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Albert Einstein
Creativity is intelligence having fun