

## Medical Imaging and Philosophy (Ulm, 21-22 May 10)

Arno Goergen

1ST INTERNATIONAL CONFERENCE ON MEDICAL IMAGING AND PHILOSOPHY: CHALLENGES,  
REFLECTIONS AND ACTIONS

May 21st/22nd

Host:

Institute for the History, Philosophy and Ethics of Medicine, Ulm University  
Centre Medicine and Society, Ulm University

Announcement:

Imaging plays a prominent role in contemporary medical research and practice. This conference focusses on three related aspects of imaging the human body, demonstrating a range of cultural, historical and scientific concerns:

- \* Scientific representations

- \* Ontologies

- \* Ethics

It is the aim of the conference to reconstruct methods of diagnostic knowledge and their social, anthropological and technological origins and future implications. Among the topics to be discussed are:

- \* the production of knowledge using imaging techniques, and the commensurability of that knowledge across imaging modalities;

- \* experimental systems and the role of data and data collection for medical diagnosis and communication;

- \* the role of formal ontologies in representation and communication with medical images;

- \* norms of health and disease and the understanding of body (and mind) as they are shaped by imaging technologies;

\* the interdependence of technology, medicine, economics and engineering.

This wide-ranging conference will include plenary lectures from eminent scholars in the field, panel seminars, author-meets-critics sessions, outreach activities, and social receptions.

Programme:

Friday May 21st, 2010

14:00-14:15:

Welcome

Heiner Fangerau (Ulm), Rethy Chhem (Vienna), Santiago Sia (Dublin)

14:15-14:45:

Opening lecture: Medical Imaging: Pictures and the Power of Evidence

Heiner Fangerau (Ulm), Irmgard Müller (Bochum)

14:45-16:45:

Session 1: Influence of different media of medical imaging on medical evidence

- A Pathway to Pathways and Their Visualisations

Ludger Jansen (Rostock)

- Medical Imaging and Contemporary Art: Redefinition of the Human Body

Katsiaryna Laryionava (Aachen)

- The anatomical waxes in the early stage of smallpox vaccination

Fabio Zampieri (Padova)

- Early Film in Science and Medicine and the Experience of Time: Revisiting

Bergson's Philosophy in the Context of the Early Applications of Moving Image Technologies

Martha Blassnigg (Plymouth)

17:15 - 19:45:

Session 2: The role of the image

- Keynote: Looking Behind the Image: Philosophical and Ethical Issues in Medical Imaging

Santiago Sia (Dublin)

-Medical Imagery and the Ethics of Algorithms

Felicitas Kraemer, Kees van Overveld, Martin Peterson (Eindhoven)

- Why Images?

Megan Delehanty (Calgary)

- Is Epistemic Causality Relevant to Philosophy of Medical Imaging and Philosophy of Medicine?

Rainhard Z. Bengez (München)

- Manifesting the Inner: Jastrow's Automatograph and the inscription of thought

Hannah Drayson (Plymouth)

Saturday May 22nd, 2010

10:00-12:00:

Session 3: Imaging constructs of physiology and pathophysiology

-Keynote: Norms of Health and Disease and the Understanding of the Body as Shaped by Imaging Technologies

Shih-chang (Ming) Wang (Sydney)

- Pictorial Turns in Embryology: From Fetal Positions to the Human Egg

Ortrun Riha (Leipzig)

- Invisible Waves of Technology: Ultrasound and the Making of Fetal Images

Sonia Kiran Meyers (Madison)

- Ethical aspects of neuroimaging in psychiatry

Ilona Vera Szlezak (Freiburg)

13:30 - 15:00:

Session 4: Formalized ontologies in imaging

- Keynote: Philosophy of Radiology: The Ontological Challenge. The role of formal ontologies in representation and communication with medical images.

James A. Overton (London, Ontario)

- (Im)mutable diagnostic technologies: the case of computed tomography

EunJeong Ma (Seoul)

- ?Sehkollektive? - Diagnostic Analysis of CT- Visualizations

Kathrin Friedrich (Köln)

- Image - Body - Knowledge. An interdisciplinary project on the critical appraisal of images

Rainer-M.E. Jacobi (Essen), Sarah Sandfort (Bochum)

15:30 ? 18:00:

Session 5: Imaging the brain

- Keynote: Medical Images: Imaging or Imagining?

Rethy Chhem (Vienna)

- NEUROIMAGING: Framing disorders, subjects, and identities from the 1980's to the present date

Simone do Vale (Rio de Janeiro)

- Reading in the Brain: From Medical Neuroimaging to Mind-Reading

Frederic Gilbert (Halifax, Canada)

- Functional neuroimaging of brain and mind

Kirsten Brukamp (Münster/Osnabrück)

- Imaging Pain: How Brain Ontology and Pain Representation Can Interact

Chuanfei Chin (Oxford)

18:00 ? 18:30:

Summarising Comment: Retrospect and Perspectives and closing remarks

Heiner Fangerau (Ulm), Shih-chang (Ming) Wang (Sydney), Rethy Chhem

(Vienna), James Overton (London, Ontario)

The Conference will be held in English.

Location:

Villa Eberhardt

Ulm University

Heidenheimer Straße 80

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