

Contents

Acknowledgements	9
Introduction	13
1 Epistemic Functions of Images in Charcot's Neurophysiological Research on Hysteria ..	29
1.1 Nosographic Stage: From Charcot's Early Lectures on Hysteria to Photography-Driven Mapping of the Hysterical Attack	37
1.2 Hypnotic Experiments: Image-Based Search for the Neurophysiological Basis of Hysteria.....	87
1.3 From Diagnosis to Pathogenesis and Treatment: Visualising Sensorimotor Deficits in Cases of Traumatic Hysterical Paralysis	136
2 From Disappearance to Reappearance of Image-Based Hysteria Research	181
2.1 Gradual Dismissal of Images as Epistemic Tools From Hysteria Research	185
2.2 The Putative Disappearance of Somatic Manifestations of Hysteria	219
2.3 The Reappearance of Image-Based Hysteria Research	237
2.4 Current Neurological Reconceptualisation of Hysteria through fMRI Research	257
3 Using fMRI as an Investigation Tool in Hysteria Research	275
3.1 Experimental Setup: Creating the Measurability of Hysterical Symptoms.....	282
3.2 Measurement: Translating the Active Brain into Imaging Data	304
3.3 Preprocessing: Constituting the Analysability of fMRI Data	328
3.4 Statistical Analysis: Articulating the Task-Induced Neural Activity of Interest.....	345
3.5 Visualising Functional Brain Maps: Ascribing the Symbolic Meaning	373
4 fMRI-Based Exploratory Search for the Neural Basis of Hysterical Symptoms	401
4.1 Examining Hysteria's Relationship to Malingering and Hypnosis.....	406
4.2 Probing the Neural Mechanisms behind the Patients' Subjective Experiences of Their Symptoms	432
4.3 Imaging Hysteria Patients' Aberrant Neural Processing of Experimentally Induced Emotional States	457

4.4 Identifying Symptom-Related Alterations in the Intrinsic Dynamic Organisation of Hysteria Patients' Brains	494
Conclusion	537
Glossary	545
Bibliography	555
Illustration Credits	609

To my grandmother Marija

