



Blind Vision: The Neuroscience of Visual Impairment (MIT Press)

By Zaira Cattaneo, Tomaso Vecchi



Download



Read Online

Blind Vision: The Neuroscience of Visual Impairment (MIT Press) By Zaira Cattaneo, Tomaso Vecchi

Can a blind person see? The very idea seems paradoxical. And yet, if we conceive of "seeing" as the ability to generate internal mental representations that may contain visual details, the idea of blind vision becomes a concept subject to investigation. In this book, Zaira Cattaneo and Tomaso Vecchi examine the effects of blindness and other types of visual deficit on the development and functioning of the human cognitive system. Drawing on behavioral and neurophysiological data, Cattaneo and Vecchi analyze research on mental imagery, spatial cognition, and compensatory mechanisms at the sensorial, cognitive, and cortical levels in individuals with complete or profound visual impairment. They find that our brain does not need our eyes to "see." Cattaneo and Vecchi address critical questions of broad importance: the relationship of visual perception to imagery and working memory and the extent to which mental imagery depends on normal vision; the functional and neural relationships between vision and the other senses; the specific aspects of the visual experience that are crucial to cognitive development or specific cognitive mechanisms; and the extraordinary plasticity of the brain -- as illustrated by the way that, in the blind, the visual cortex may be reorganized to support other perceptual or cognitive functions. In the absence of vision, the other senses work as functional substitutes and are often improved. With *Blind Vision*, Cattaneo and Vecchi take on the "tyranny of the visual," pointing to the importance of the other senses in cognition.



[Download Blind Vision: The Neuroscience of Visual Impairment ...pdf](#)



[Read Online Blind Vision: The Neuroscience of Visual Impairment ...pdf](#)

Blind Vision: The Neuroscience of Visual Impairment (MIT Press)

By Zaira Cattaneo, Tomaso Vecchi

Blind Vision: The Neuroscience of Visual Impairment (MIT Press) By Zaira Cattaneo, Tomaso Vecchi

Can a blind person see? The very idea seems paradoxical. And yet, if we conceive of "seeing" as the ability to generate internal mental representations that may contain visual details, the idea of blind vision becomes a concept subject to investigation. In this book, Zaira Cattaneo and Tomaso Vecchi examine the effects of blindness and other types of visual deficit on the development and functioning of the human cognitive system. Drawing on behavioral and neurophysiological data, Cattaneo and Vecchi analyze research on mental imagery, spatial cognition, and compensatory mechanisms at the sensorial, cognitive, and cortical levels in individuals with complete or profound visual impairment. They find that our brain does not need our eyes to "see." Cattaneo and Vecchi address critical questions of broad importance: the relationship of visual perception to imagery and working memory and the extent to which mental imagery depends on normal vision; the functional and neural relationships between vision and the other senses; the specific aspects of the visual experience that are crucial to cognitive development or specific cognitive mechanisms; and the extraordinary plasticity of the brain -- as illustrated by the way that, in the blind, the visual cortex may be reorganized to support other perceptual or cognitive functions. In the absence of vision, the other senses work as functional substitutes and are often improved. With *Blind Vision*, Cattaneo and Vecchi take on the "tyranny of the visual," pointing to the importance of the other senses in cognition.

Blind Vision: The Neuroscience of Visual Impairment (MIT Press) By Zaira Cattaneo, Tomaso Vecchi
Bibliography

- Sales Rank: #2041184 in eBooks
- Published on: 2011-03-04
- Released on: 2011-03-04
- Format: Kindle eBook

 [Download Blind Vision: The Neuroscience of Visual Impairment ...pdf](#)

 [Read Online Blind Vision: The Neuroscience of Visual Impairment ...pdf](#)

Download and Read Free Online Blind Vision: The Neuroscience of Visual Impairment (MIT Press) **By Zaira Cattaneo, Tomaso Vecchi**

Editorial Review

Review

I would highly recommend *Blind Vision: The Neuroscience of Visual Impairment*.... The book is clearly written and well documented, as well as being the only one that I am aware of that tackles this important but seldom discussed research area.

(Paula Goolkasian *PsycCRITIQUES*)

About the Author

Zaira Cattaneo is a Research Scientist at the University of Milano-Bicocca.

Tomaso Vecchi is Professor of Experimental Psychology and Dean of the School of Psychology at the University of Pavia, Italy.

Users Review

From reader reviews:

Joanne Hall:

The book Blind Vision: The Neuroscience of Visual Impairment (MIT Press) make one feel enjoy for your spare time. You can utilize to make your capable more increase. Book can for being your best friend when you getting anxiety or having big problem with the subject. If you can make studying a book Blind Vision: The Neuroscience of Visual Impairment (MIT Press) to get your habit, you can get a lot more advantages, like add your own personal capable, increase your knowledge about many or all subjects. You can know everything if you like wide open and read a e-book Blind Vision: The Neuroscience of Visual Impairment (MIT Press). Kinds of book are a lot of. It means that, science reserve or encyclopedia or some others. So , how do you think about this book?

Sandra Hughes:

The publication with title Blind Vision: The Neuroscience of Visual Impairment (MIT Press) contains a lot of information that you can learn it. You can get a lot of advantage after read this book. That book exist new know-how the information that exist in this reserve represented the condition of the world currently. That is important to yo7u to learn how the improvement of the world. This book will bring you inside new era of the glowbal growth. You can read the e-book on your own smart phone, so you can read it anywhere you want.

Bobby Phillips:

The book untitled Blind Vision: The Neuroscience of Visual Impairment (MIT Press) contain a lot of information on it. The writer explains the woman idea with easy approach. The language is very clear and understandable all the people, so do definitely not worry, you can easy to read the idea. The book was compiled by famous author. The author will bring you in the new time of literary works. You can easily read this book because you can read more your smart phone, or product, so you can read the book in anywhere and anytime. In a situation you wish to purchase the e-book, you can start their official web-site along with order it. Have a nice study.

Nicole Dilbeck:

Publication is one of source of expertise. We can add our expertise from it. Not only for students and also native or citizen require book to know the revise information of year to be able to year. As we know those guides have many advantages. Beside we all add our knowledge, also can bring us to around the world. By the book Blind Vision: The Neuroscience of Visual Impairment (MIT Press) we can have more advantage. Don't one to be creative people? To be creative person must prefer to read a book. Merely choose the best book that appropriate with your aim. Don't end up being doubt to change your life with this book Blind Vision: The Neuroscience of Visual Impairment (MIT Press). You can more attractive than now.

Download and Read Online Blind Vision: The Neuroscience of Visual Impairment (MIT Press) By Zaira Cattaneo, Tomaso Vecchi #DEL5FPKURTV

Read Blind Vision: The Neuroscience of Visual Impairment (MIT Press) By Zaira Cattaneo, Tomaso Vecchi for online ebook

Blind Vision: The Neuroscience of Visual Impairment (MIT Press) By Zaira Cattaneo, Tomaso Vecchi Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Blind Vision: The Neuroscience of Visual Impairment (MIT Press) By Zaira Cattaneo, Tomaso Vecchi books to read online.

Online Blind Vision: The Neuroscience of Visual Impairment (MIT Press) By Zaira Cattaneo, Tomaso Vecchi ebook PDF download

Blind Vision: The Neuroscience of Visual Impairment (MIT Press) By Zaira Cattaneo, Tomaso Vecchi Doc

Blind Vision: The Neuroscience of Visual Impairment (MIT Press) By Zaira Cattaneo, Tomaso Vecchi Mobipocket

Blind Vision: The Neuroscience of Visual Impairment (MIT Press) By Zaira Cattaneo, Tomaso Vecchi EPub