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Thus, imaging
data provides a
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viable atics In observable that can facilitate Imaging In instantiation of a theoretical understanding of a disease for a particular patient context by connecting imaging findings to other biologic Page 26/53

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limaging tics In informatics provides an overview of this growing discipline which stems from an intersection of biomedical informatics medical imaging computer science and medicine supporting two Page 36/53

complementary views this volume explores the fundamental technologies and algorithms that comprise this field as well as the application of medical imaging informatics to subsequently improve Page 37/53

meanwhile
healthcare it
leaders in
hospitals
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and health
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never been in as
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informatics is the software platform to construct and deliver those imaging methods and tools for personalised medicine. To conclude, in the post-genomic era, imaging informatics needs to be Page 41/53

seamlessly
integrated with
bioinformatics
and medical
informatics to
embrace the
complexity of
life and disease
for personalised
patient care.

Imaging informatics for personalised Page 42/53

medicine cs. n Imaging Informatics In an increasingly global world, interoperability is key to improved efficiency and streamlined communications between medical professionals. Today, digital Page 43/53

image sharing platforms foster unprecedented collaboration among radiologists and other physicians in hospitals and practices around the world.

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CAD is an
informatics
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method for s improving maging quality by helping radiologists perceive And abnormal imaging observations. In CAD systems, a computer program "reads" the images, detecting particular types Page 45/53

of imaging findings that it has been trained to recognize.

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Measuring and Improving
Quality ...
This
retrospective attempts to look at the topic
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from a different angle by maging identifying certain basic medical imaging inventions in the 1960s and 1970s which had conceptually defined basic components of PACS quiding its course of development in Page 47/53

the 1980s and 1990s, as well as subsequent imaging informatics research in the 2000s. In medical imaging, the emphasis was on the innovations at Georgetown University in Washington, DC, Page 48/53

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