Wouldn’t it be excruciatingly boring to deal with some 20-year-old standard without being able to apply it to the most interesting things in today’s digital imaging? When DICOM was born, surrounded by Stone Age computers of the 1980s, it was very much ahead of its time. Today, DICOM is constantly at risk of falling behind. Expanding clinical networks, increasingly complex hardware, and the advancement of the entire radiology workflow challenge not only the standard, but any current tools and abilities – human included. DICOM is forced to evolve daily, struggling to adapt to technological progress and new realities.

In this part of the book, we will entertain ourselves with an overview of the most dynamic areas of digital medicine, and the challenges they present.