

# WHAT MAKES A GOOD READ?

CHALLENGES AND OPPORTUNITIES IN RADIOLOGY TODAY.

The MarkeTech Group surveyed over 200 radiologists in Europe and North America to gather their thoughts on the challenges in radiology and ways to improve the clinical practice. The results reveal some remarkable insights into the typical workday of a radiologist.

## Key findings



**91%**

believe **image quality** is the most important display aspect that impacts reading performance



**77%**

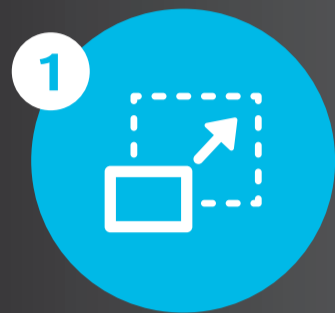
believe **efficient workflow** impacts reading sessions



**70%**

of respondents say that **display ergonomics** are very important

## 4 facts about image quality



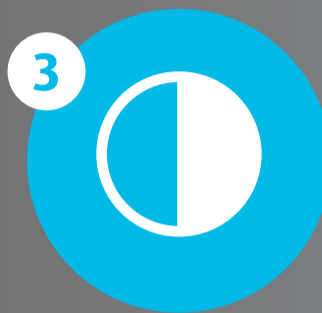
**80%**

of radiologists believe higher spatial resolution will improve the reading experience



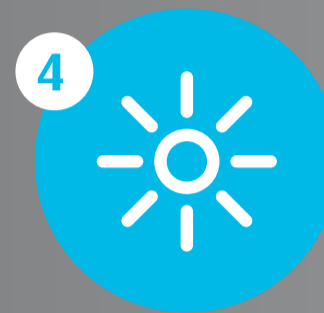
**80%**

find image uniformity important



**68%**

say higher contrast enhances clinical practice



**53%**

believe higher brightness and a wider viewing angle will change reading performance

## How's radiologist productivity?

**74%**

think increasing image volumes will affect productivity

**53%**

think the growing complexity of studies is a challenge

### Wish list



**92%** want faster image loading



**92%** want faster image manipulations



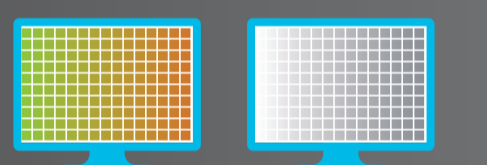
**78%** want a larger screen surface



**66%** want color and grayscale on one screen

## The more, the merrier?

**+85%**  
of radiologists use 3 displays or more, which increases head and neck movements



**60%**

use a mix of color and grayscale displays



**63%**

read both digital mammography and color PACS

In the US, this number increases to

**84%**



**51%**

BREAST MRI

**55%**

BREAST ULTRASOUND

US breast imaging specialists read more than digital mammography, such as breast MRI and breast ultrasound

## Are radiologists reading comfortably?

**87%**  
OF RADIOLOGISTS EXPERIENCE PHYSICAL DISCOMFORT WHEN READING IMAGES



**66%**

experience eye fatigue



**56%**

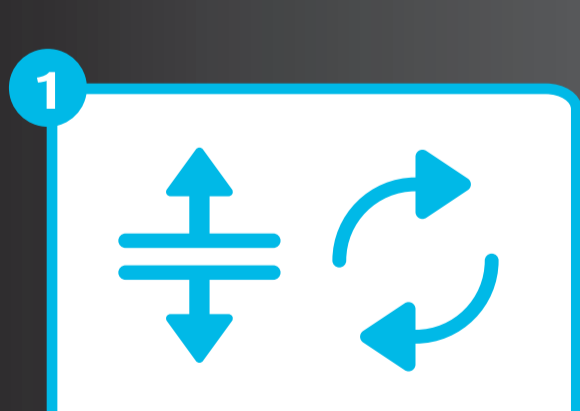
suffer from neck strain



**52%**

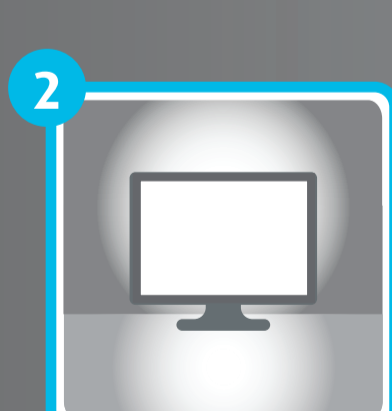
struggle with back pain

## The ergonomic wish list



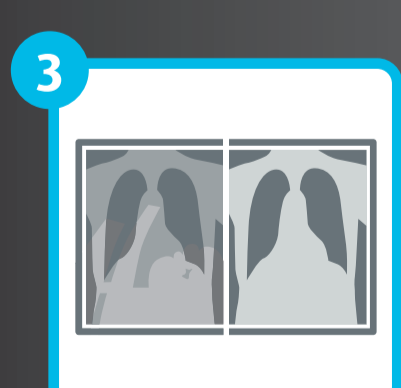
**83%**

want an easy-to-adjust stand



**81%**

want ambient room lighting



**72%**

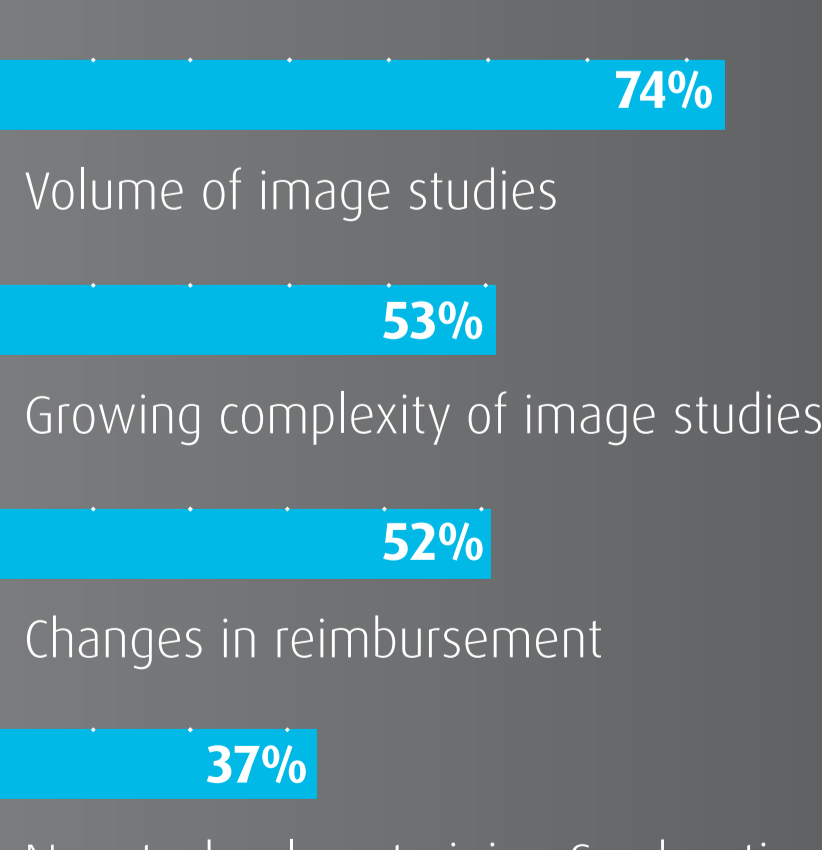
want reduced screen glare



**69%**

want keyboard task lighting

## CHALLENGES IN GENERAL?



## CHALLENGES IN BREAST IMAGING?

