

## Medical Imaging on Hand and wrist

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### Image Article

Medical imaging equipment is manufactured using technology from the semiconductor business, including CMOS coordinated circuit chips, power semiconductor gadgets, sensors like image sensors (especially CMOS sensors) and biosensors, and processors like microcontrollers, microprocessors, advanced signal processors, media processors and framework on chip gadgets. Starting around 2015, yearly shipments of Medical imaging chips add up to 46 million units and \$1.1 billion [1].

Medical imaging establishes a sub-discipline of biomedical engineering, medical physics or medicine relying upon the specific circumstance: Research and improvement in the space of

instrumentation, picture obtaining (e.g., radiography) demonstrating and measurement are typically the preserve of biomedical engineering, clinical physical science, and computer science; Research into the application and translation of medical images is normally the preserve of radiology and the clinical sub-discipline pertinent to ailment or area of clinical science (neuroscience, cardiology, psychiatry, psychology etc.) under investigation. A large number of the techniques produced for Medical imaging also have scientific and industrial applications [2] (Figure 1).

### References

1. Zheng G (2012) Chip-scale microscopy imaging. *J Biophotonics* 5: 639-649.
2. James AP, Dasarathy BV (2014) "Medical Image Fusion: A survey of state of the art." *Information Fusion*. 19: 4-19.



Figure 1: Clear X-ray of wrist and hand.

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