Towards Contact-less Vital Sign Monitoring using a COTS Resource-Constrained Multi-Core System - an experience report -

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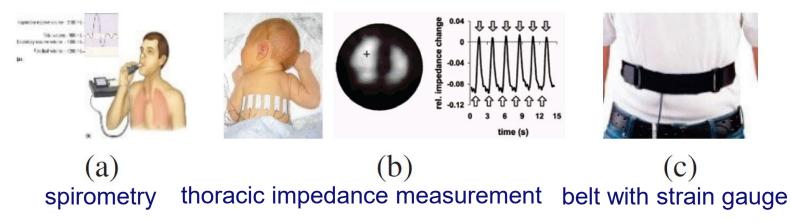
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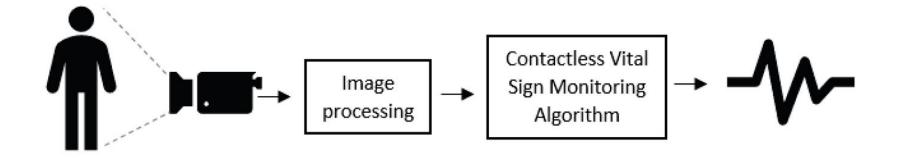
## **Traditional respiration monitoring techniques**



- Problem:
  - Traditional contact-based vital-sign monitoring is prohibitive for neonatal and burn care.
- Approach:
  - Contact-less vital-sign monitoring.



## **Contact-less vital-sign monitoring**



- Business goal of Philips Healthcare:
  - Make products available for the consumer market.
- Challenge:
  - Cost-effective processing using COTS cameras and resource-constrained multi-core systems.

