

# Contactless Patient Monitoring for General Ward A Systematic Technology Review

*Searchstring for MEDLINE search using PUBMED*

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## 1. Supplemental Material

The used search string contains three parts:

- 1 Used Technology
- 2 Measured physiological parameters
- 3 Condition of contactlessness

(  
(Infrared[All Fields] AND imaging[All Fields]) OR  
(C02[All Fields] AND imaging[All Fields]) OR  
UWB[All Fields] OR  
(Ultra-wide[All Fields] AND "band"[All Fields]) OR  
"radar"[MeSH Terms] OR  
"radar"[All Fields] OR  
(Continuous[All Fields] AND Wave[All Fields]) OR  
("radar"[MeSH Terms] OR "radar"[All Fields]) OR  
CW[All Fields] OR  
("radar"[MeSH Terms] OR "radar"[All Fields]) OR  
BCG[All Fields] OR  
"thermography"[MeSH Terms] OR  
"thermography"[All Fields] OR  
"thermogram"[All Fields] OR  
(infrared[All Fields] AND imaging[All Fields]) OR  
"thermography"[MeSH Terms] OR  
"thermography"[All Fields]) OR  
(thermal[All Fields] AND imaging[All Fields]) OR  
CMOS[All Fields] OR

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("radar"[MeSH Terms] OR  
"radar"[All Fields])  
)  
AND  
(  
"respiration"[MeSH Terms] OR  
"respiration"[All Fields] OR  
"cell respiration"[MeSH Terms] OR  
("cell"[All Fields] AND "respiration"[All Fields]) OR  
"cell respiration"[All Fields] OR  
(sleep apnea syndromes"[MeSH Terms] OR  
("sleep"[All Fields] AND "apnea"[All Fields] AND "syndromes"[All Fields]) OR  
"sleep apnea syndromes"[All Fields] OR  
("apnea"[All Fields] AND "sleep"[All Fields]) OR  
"apnea, sleep"[All Fields] OR  
"apnoea"[All Fields] OR  
"apnea"[MeSH Terms] OR  
"apnea"[All Fields] OR  
"dyspnoea"[All Fields] OR  
"dyspnea"[MeSH Terms] OR  
"dyspnea"[All Fields] OR  
"mouth breathing"[MeSH Terms] OR  
("mouth"[All Fields] AND "breathing"[All Fields]) OR  
"mouth breathing"[All Fields] OR  
"cell respiration"[MeSH Terms] OR  
("cell"[All Fields] AND "respiration"[All Fields]) OR  
"cell respiration"[All Fields] OR  
"monitoring, physiologic"[MeSH Terms] OR  
("monitoring"[All Fields] AND "physiologic"[All Fields]) OR  
"physiologic monitoring"[All Fields] OR  
("patient"[All Fields] AND "monitoring"[All Fields]) OR  
"patient monitoring" [All Fields] OR  
(physiological[All Fields] AND variables[All Fields]) OR  
"sleep hypopnoea"[All Fields] OR  
"sleep apnea syndromes"[MeSH Terms] OR  
("sleep"[All Fields] AND "apnea"[All Fields] AND "syndromes"[All Fields]) OR  
"sleep apnea syndromes"[All Fields] OR  
("sleep"[All Fields] AND "hypopnea"[All Fields]) OR  
"sleep hypopnea"[All Fields] OR  
"skin temperature"[MeSH Terms] OR  
("skin"[All Fields] AND "temperature"[All Fields]) OR  
"skin temperature"[All Fields] OR  
breath[All Fields] OR  
"motor activity"[MeSH Terms] OR  
("motor"[All Fields] AND "activity"[All Fields]) OR  
"motor activity"[All Fields] OR  
"activity"[All Fields] OR

"vital signs"[MeSH Terms] OR  
("vital"[All Fields] AND "signs"[All Fields]) OR  
"vital signs"[All Fields] OR  
("vital"[All Fields] AND "sign"[All Fields]) OR  
"vital sign"[All Fields] OR  
heartrate[All Fields] OR  
("Heartbeat"[Journal] OR  
"heartbeat"[All Fields])

)

AND

(

contactless[All Fields] OR  
contact-free[All Fields] OR  
noncontact[All Fields] OR  
Touchless[All Fields] OR  
Touch-free[All Fields] OR  
Non-Touch[All Fields] OR  
Distance[All Fields] OR  
Unobtrusive[All Fields] OR  
non-obtrusive[All Fields] OR  
Wireless[All Fields] OR  
"Wireless Technology"[MeSH Terms]

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