

Claims

1. A system for generating an alert for a systemic infection of a patient (P), the system comprising: an implantable medical device (1) configured to measure at least one physiological parameter, a remote monitoring system (2) configured to receive information from the implantable medical device (1), and an information system (3) configured to communicate with said remote monitoring system (2), wherein at least one of the implantable medical device (1), the remote monitoring system (2) and the information system (3) is configured to analyze information relating to said at least one physiological parameter to generate an alert signal for a systemic infection of the patient (P) based on a state of the at least one physiological parameter, wherein at least one of the implantable medical device (1), the remote monitoring system (2) and the information system (3) is further configured to generate an alert message (B4, B5) to be provided to a specified destination based on said alert signal, **characterized in** that the information system (3) is configured to transmit said alert message to said destination using a dedicated communication path (A4, A5), wherein the information system (3) is configured to provide information not related to said alert message on a default communication path (A3) different than said dedicated communication path (A4, A5).
2. The system of claim 1, **characterized in** that the implantable medical device (1) comprises a communication device (17) for communicating with the remote monitoring system (2) using a pre-defined communication protocol for transmitting information relating to said at least one physiological parameter to the remote monitoring system (2).
3. The system of claim 2, **characterized in** that the communication protocol is MICS, BLE or Zigbee.
4. The system of one of claims 1 to 3, **characterized in** that said at least one physiological parameter includes at least one of the body temperature, the heart rate, the heart rate at rest, the respiration rate, a body activity parameter.

5. The system of one of the preceding claims, **characterized in** that the implantable medical device (1) is configured to generate said alert signal based on said at least one physiological parameter and to transmit information relating to said alert signal to the remote monitoring system (2).
6. The system of one of the preceding claims, **characterized in** that the remote monitoring system (2) is configured to generate said alert signal based on information relating to said at least one physiological parameter and to transmit information relating to said alert signal to the information system (3).
7. The system of one of the preceding claims, **characterized in** that the information system (3) is configured to generate said alert signal based on information relating to said at least one physiological parameter.
8. The system of one of the preceding claims, **characterized in** that the information system (3) is an automated information system delivering patient information to the patient.
9. The system of one of the preceding claims, **characterized in** that the specified destination is a person familiar with the patient (P) or a specified communication terminal associated with a person familiar with the patient (P).
10. The system of one of the preceding claims, **characterized in** that at least one of the implantable medical device (1), the remote monitoring system (2) and the information system (3) is configured, for analyzing said at least one physiological parameter, to compare the at least one physiological parameter or a parameter value derived from the at least one physiological parameter to a threshold (T1, T2) and to generate said alert signal based on said comparison.

11. The system of one of the preceding claims, **characterized in** that the at least one physiological parameter includes a mean value of the heart rate or the heart rate at rest.
- 5 12. The system of claim 11, **characterized in** that said mean value is compared to a threshold (T1, T2) to generate said alert signal, wherein the threshold (T1, T2) is pre-defined or determined based on a group of prior values of the heart rate or the heart rate at rest.
- 10 13. The system of claim 12, **characterized in** that said threshold (T1, T2) is in a range between 90 bpm and 120 bpm.
14. The system of claim 12, **characterized in** that said threshold (T1, T2) is in a range between 110% and 150% of an average of the heart rate or the heart rate at rest over
15 a predefined time period.
15. A method for generating an alert for a systemic infection of a patient (P), the method comprising: measuring, using an implantable medical device (1), at least one physiological parameter; receiving, by a remote monitoring system (2), information
20 from the implantable medical device (1); communicating, by an information system, with said remote monitoring system (2); analyzing, by at least one of the implantable medical device (1), the remote monitoring system (2) and the information system (3), information relating to said at least one physiological parameter to generate an alert signal for a systemic infection of the patient (P) based on a state of the at least one
25 physiological parameter; and generating, by at least one of the implantable medical device (1), the remote monitoring system (2) and the information system (3), an alert message (B4, B5) to be provided to a specified destination based on said alert signal, **characterized in** that the information system (3) transmits said alert message to said destination using a dedicated communication path (A4, A5), wherein the information
30 system (3) provides information not related to said alert message on a default communication path (A3) different than said dedicated communication path (A4, A5).