

SAFE-INFUSION — STOP ADVERSE FLUID EVENTS IN INFUSION: WEAK-LINK TUBE CONNECTION AND AIR REMOVAL DEVICES MONITORED IN THE CLOUD FOR SAFER, MORE ACCURATE AND COST-EFFECTIVE IV THERAPY IN HOSPITAL AND AT HOME

PROJECT TOTAL DURATION

24 MONTHS (2021-2023)

PROJECT TOTAL GRANT

€ 2 999 220,13

FUNDING:

- CO-FUNDED BY THE HORIZON 2020 FRAMEWORK PROGRAMME OF THE EUROPEAN UNION
- CALL H2020-EIC-FTI-2018-2020
- PROPOSAL NUMBER 971225

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PRIORITY RESEARCH TOPIC:

PATIENT SAFETY AND CARE EFFECTIVENESS AND INNOVATION IN NURSING CARE TECHNOLOGY

PROJECT OBJECTIVES:

THIS JOINT PROJECT AIMS TO DISRUPT THE INTRAVENOUS (IV) TUBE MARKET BY MATURING AND LAUNCHING THE NEXT-GENERATION TUBE CONNECTION AND AIR REMOVAL DEVICE WITH CONNECTED SENSORS, THEREBY MAKING IV THERAPY MORE ACCURATE AND SAFER FOR HEALTHCARE PERSONNEL AND PATIENTS. THE TECHNOLOGY PARTNERSHIP WILL ADVANCE HEALTHCARE BY (1) PREVENTING DISLODGE­MENT OF THE IV TUBE WHICH CAUSES PATIENT HARM, WASTES VALUABLE FLUID RESOURCES INCLUDING BLOOD AND IV DRUGS, (2) REMOVING HARMFUL AIR BUBBLES AND TOXIC VAPOURS MIXED WITH IV FLUIDS AND (3) CLOUD CONNECTED REMOTE MONITORING OF INFUSIONS FLOW RATES IN HOSPITAL AND HOME WITH SUPERIOR ACCURACY (DOWN TO 1ML/HR) AND INSTANTANEOUSLY WARN HEALTHCARE PERSONNEL, VIA A MOBILE APP, OF DEVIATIONS IN FLOW OR DURATION. OVERALL, THIS PROJECT INTENDS TO INCREASE PATIENT SAFETY BY ENSURING A MORE ACCURATE DOSE LEADING TO FASTER RECOVERY. OUR TECHNOLOGY CAN HELP TO REDUCE HOSPITAL COSTS BY AS MUCH AS 90%, ENABLING IV THERAPY TO BE DELIVERED SAFELY IN EVERY ENVIRONMENT. BY REDUCING ADVERSE EVENTS THIS PROJECT WILL SUPPORT EU EFFORTS TO REDUCE HEALTHCARE COSTS, OCCUPATIONAL HARM AND ADDRESS THE ENVIRONMENTAL BURDEN OF PLASTIC WASTE AND CARBON FOOTPRINT.

COORDINATOR

_TADA MEDICAL AB (SWEDEN)

PARTICIPANTS

_TESSEN SOLUTIONS LIMITED (IRELAND)

_REMOTE SIGNALS LIMITED (IRELAND)

_FUNDACIO SANT JOAN DE DEU (SPAIN)

_CENTRO HOSPITALAR E UNIVERSITARIO DE COIMBRA E.P.E. (PORTUGAL) (UICISA: E RESEARCHERS: ANTÓNIO MARQUES; EDUARDO SANTOS)

