Project description

Artificial intelligence to support early prostate cancer diagnostics

Prostate cancer is the most common type of cancer in men and their second leading cause of death; however, it is highly treatable in the early stages. Recent studies and clinical trials have demonstrated the efficiency of prostate MRI in early diagnosis, with 5 times less missed cancer cases and 25% fewer biopsies. Care standards now recommend MRI prior to every biopsy, leading to an increased demand for prostate MRI scans. Conventional radiology reading capacity cannot keep pace with the demand. Quantib BV (Netherlands) developed an AI-enhanced integrated diagnostic solution for the detection of potential tumors and workflow optimization involving
urologists, radiologists and pathologists. The current EU-funded ID-PROSTATE project allows further improvement and acceleration focusing on product commercialization.

Fields of science

medical and health sciences > clinical medicine > oncology > prostate cancer

engineering and technology, > medical engineering > diagnostic imaging > magnetic resonance imaging

Keywords

Prostate Cancer  Deep Learning  Radiomics  Image-based Diagnosis  MRI

Pathology  Medical Image Analysis  Quantitative Imaging Biomarkers

Integrated Diagnostics  Radiology

Programme(s)

H2020-EU.2.3. - INDUSTRIAL LEADERSHIP - Innovation In SMEs

H2020-EU.3. - PRIORITY 'Societal challenges

H2020-EU.2.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies

Topic(s)

EIC-SMEInst-2018-2020 - SME instrument

Call for proposal

H2020-EIC-SMEInst-2018-2020

See other projects for this call

Sub call

H2020-EIC-SMEInst-2018-2020-3
Funding Scheme

SME-2 - SME instrument phase 2

Coordinator

QUANTIB BV

Net EU contribution

€ 2 100 371,88

Address

Westblaak 130
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Region

West-Nederland > Zuid-Holland > Groot-Rijnmond

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network

Other funding

€ 900 159,37

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