How long are you willing to wait when a life is at stake?
Stroke: a life threatening condition

Social Impact (humongous):

Worldwide
1\textsuperscript{st} cause of acquired disability
2\textsuperscript{nd} cause of dementia
3\textsuperscript{rd} cause of death

Cost for Belgium
> 300.000.000 € / year
Stroke: a life threatening condition

TIME

10 minutes

1 hour

3 hours

6 hours

COMPETENCE
Unassisted in-ambulance telemedicine?
Integrated Emergency Offering

In-Ambulance Hardware

Web-Platform
Telemedicine in-ambulance 24/7 is **organizable**

Telemedicine in-ambulance is **safe & technically reliable**

**Call to Imaging time:** 46 min. Vs 66 min.

**All Cause Mortality** at day 90: 14.3% vs. 15.6%

Proportion of **Successful interventions:** 96.2%
Added Value for All Stakeholders

**Patients**
Higher Chances of independency & survival

**Ambulance Staff**
Adequate unassisted acute care

**Society**
Reduced human & economic burden

**Hospital**
Acute Care with a cost reduction (~750€/patient just for stroke*)

**Medical Expert**
Effective & flexible resource allocation for optimised care

* Data requires validation in ongoing/upcoming clinical trials
Available information for hospital staff

Neurologist
Relevant Information:
- Time of symptom onset,
- Contraindication,
- Stroke Severity,
- Medication,
- Anamnesys,
- ...

Used to:
- Asses if patient is candidate for Thrombolysis / Thrombectomy

ER Floor Manager
Relevant Information:
- Time of arrival,
- Vital parameters,
- ...

Used to:
- Verify stability of patient,
- Prepare to take patient as fast as possible to CT

Radiologist
Relevant Information:
- Age,
- Name,
- Gender,
- ...

Used to:
- do the registration in the CT
- be able to start CT faster
Clinicians Testimonials

Clinical

“Decision support generating semi-automatic alert & report leads to optimal preparation of the in-hospital team upon arrival”

“Revised clinical pathway with clear shift to pre-hospital phase, leads to essential time gain”

“Direct multidisciplinary (patient, nurse, caregivers, …) input allows to obtain high amount of patient data even during short ambulance transport”

Technical

“Easy patient interaction is ensured through qualitative audio/video connection”

“It’s Easy-to-use & quickly ‘up and running’”

“There is no need of technical know how”

Private

“The freedom or reach & greater efficiency have a positive impact on the work/private life balance”
The Zebra Academy Team

Helio Fernandez
*Background in telecom engineering, coordinator of the technical development*

Prof. Dr. Ralf Brouns
*Neurologist & researcher with a focus on acute stroke care*

PhD Andre Convents
*Innovation manager at P&G driving strategy, innovation and valorization*

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*Head of Neurology & director of research & development, specialised in MS*

Bastien Ritzen
*CEO at Zebra Academy and driving business development*

Our Partners

- Hardware Productization
- Business Development
- Software Development
- Medical Research

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14/06/2016
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