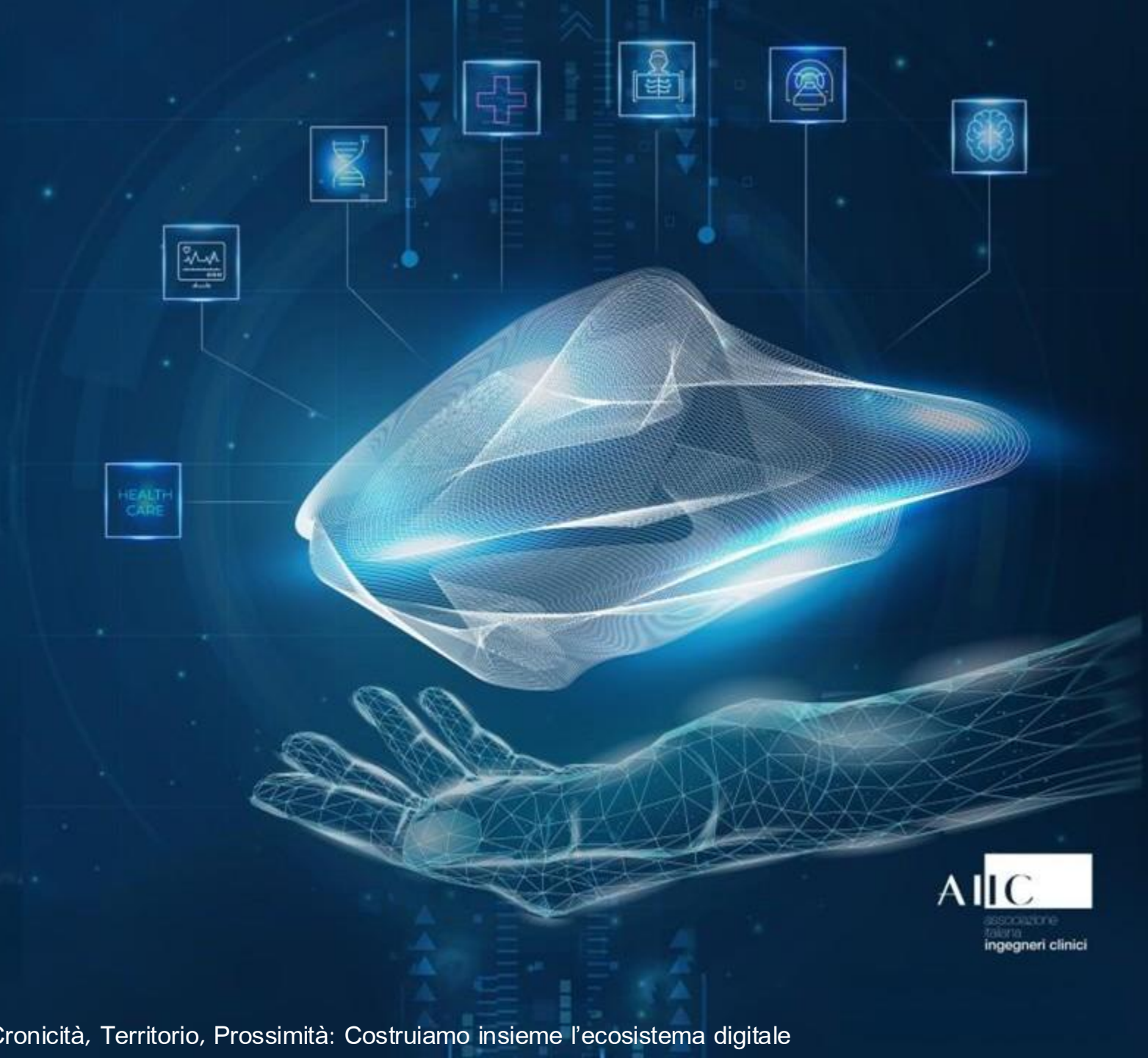


AIIIC 2024
ROMA

GESTIRE L'INNOVAZIONE

ALICE RAVIZZA, centro studi AIIIC



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MISURE A SOSTEGNO DELL'INNOVAZIONE

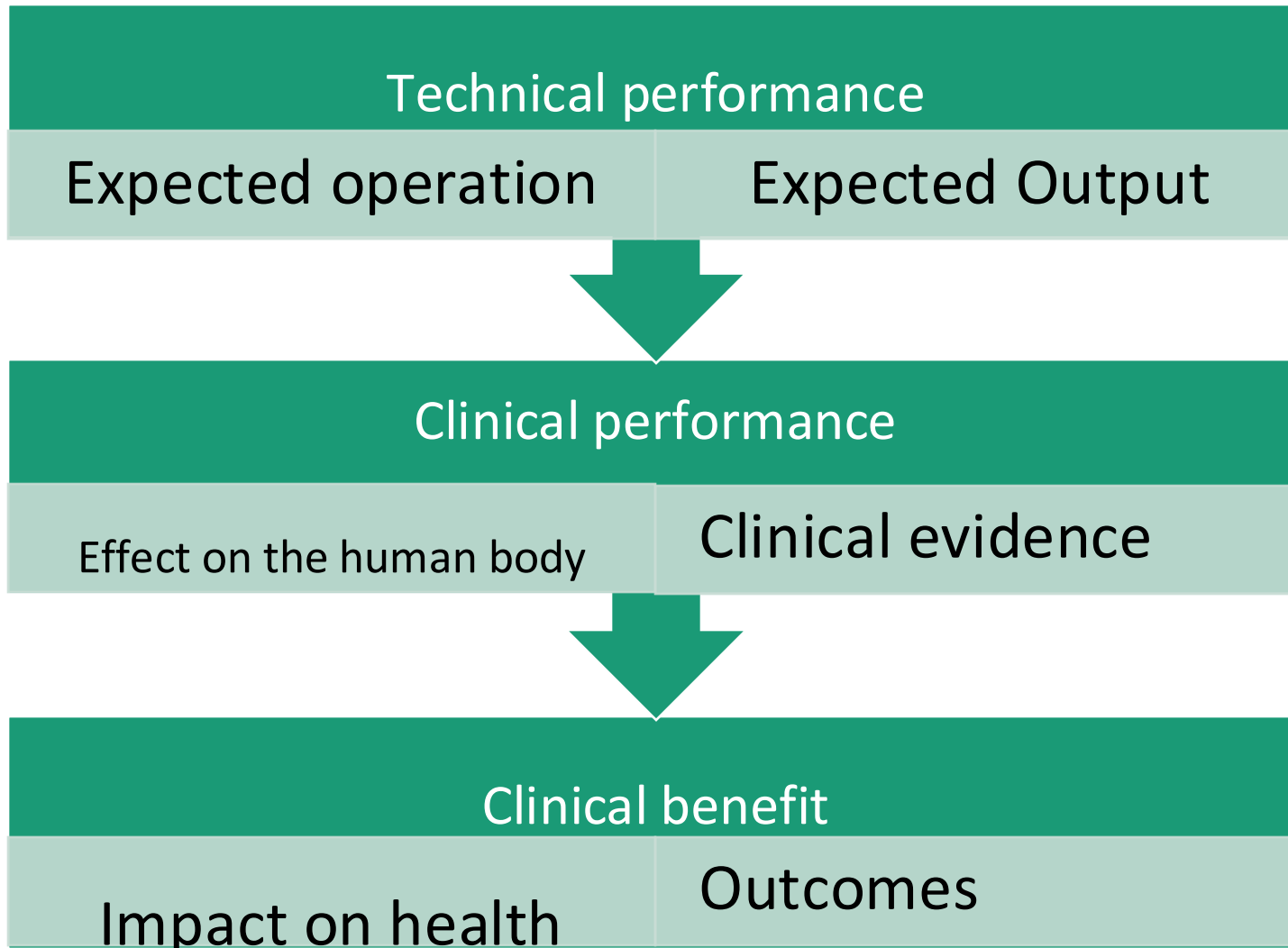
Articolo 53 Sandbox normative sull'IA

Le autorità nazionali competenti possono istituire sandbox regolamentari per l'IA per lo sviluppo, la formazione, il collaudo e la convalida di sistemi innovativi di IA sotto la diretta supervisione, guida e supporto dell'autorità nazionale competente, prima che tali sistemi siano immessi sul mercato o messi in servizio. Tali sandbox regolamentari possono includere test in condizioni reali supervisionati dalle autorità nazionali competenti.

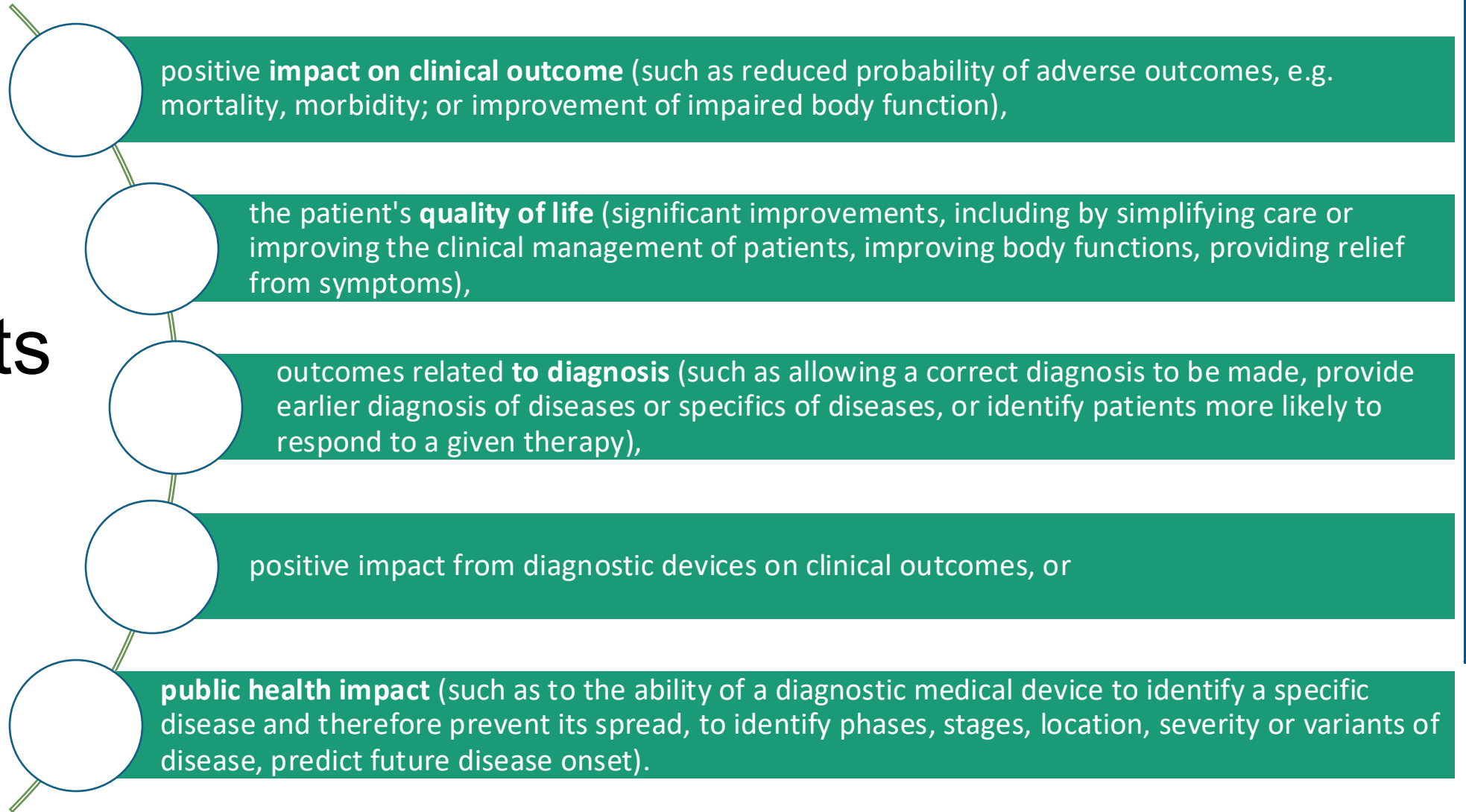
Articolo 54

Ulteriore trattamento dei dati personali per lo sviluppo di determinati sistemi di IA nell'interesse pubblico nella sandbox normativa sull'IA

1. Nella sandbox normativa sull'IA i dati personali legittimamente raccolti per altre finalità possono essere trattati ai fini dello sviluppo, della sperimentazione e della formazione di sistemi innovativi di IA nella sandbox alle seguenti condizioni



Benefits



Describing the clinical benefit of a therapeutic device

positive impact
on clinical
outcome

- reduced probability of adverse outcomes AS mortality, morbidity
- improvement of impaired body function

specific medical purposes:
—treatment or alleviation of disease,
—treatment, alleviation of, or compensation for, an injury or disability,
—replacement or modification of the anatomy or of a physiological or pathological process or state,

patient's
quality of life

- significant improvements, including by simplifying care
- improving the clinical management of patients
- improving body functions
- providing relief from symptoms

Describing the clinical benefit of a monitoring or diagnostic device

outcomes related to diagnosis

- allowing a correct diagnosis to be made,
- provide earlier diagnosis of diseases or specifics of diseases,
- identify patients more likely to respond to a given therapy

positive impact from diagnostic devices on clinical outcomes

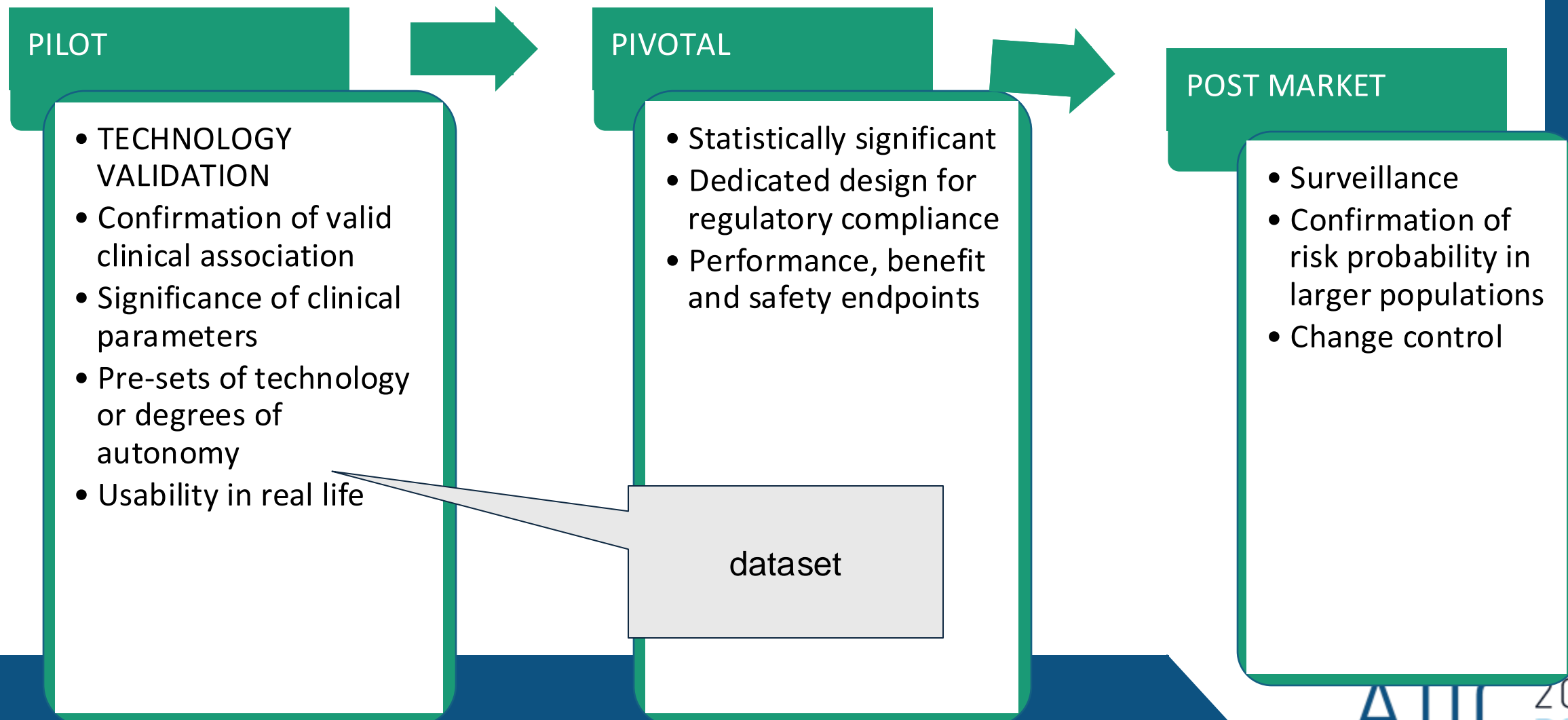
public health impact

- the ability of a diagnostic medical device to identify a specific disease and therefore prevent its spread
- to identify phases, stages, location, severity or variants of disease,
- predict future disease onset

specific medical purposes:

- diagnosis, prevention, monitoring of disease,
- diagnosis, monitoring, of an injury or disability,
- investigation of the anatomy or of a physiological or pathological process or state,
- providing information by means of *in vitro* examination of specimens derived from the human body, including organ, blood and tissue donations,

Clinical benefit: evidence based medicine

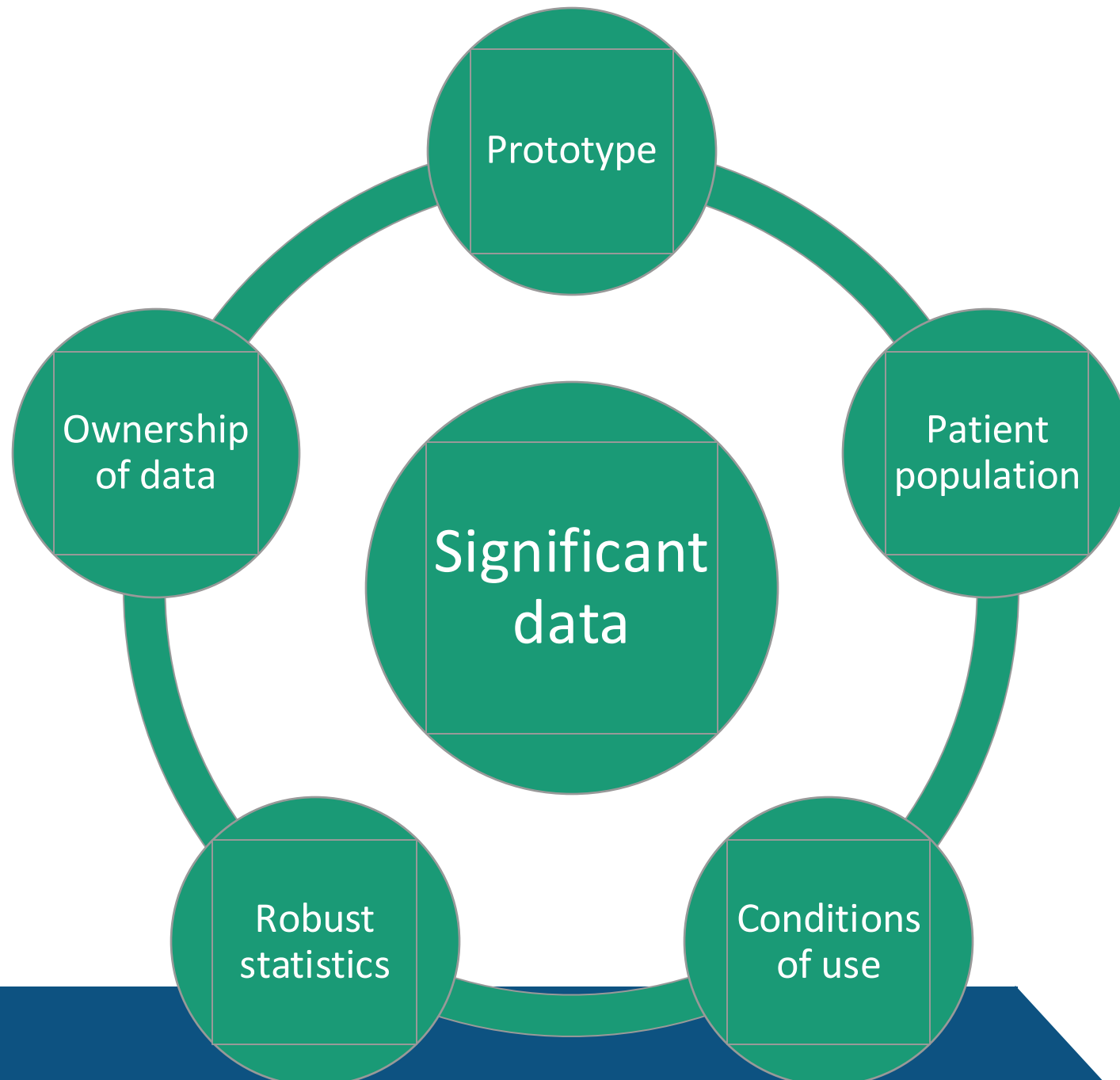


Aim of the clinical evaluation

Give proof

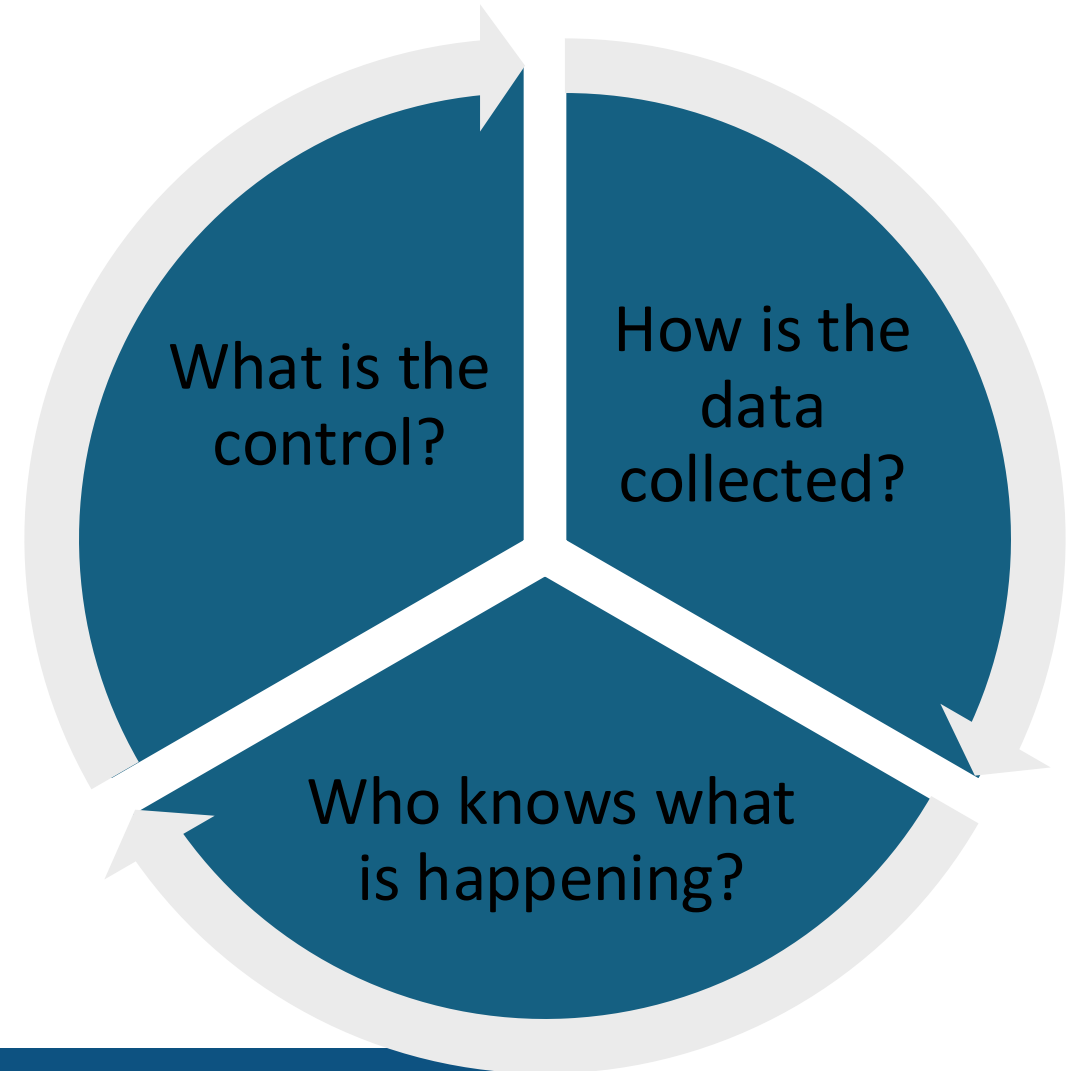
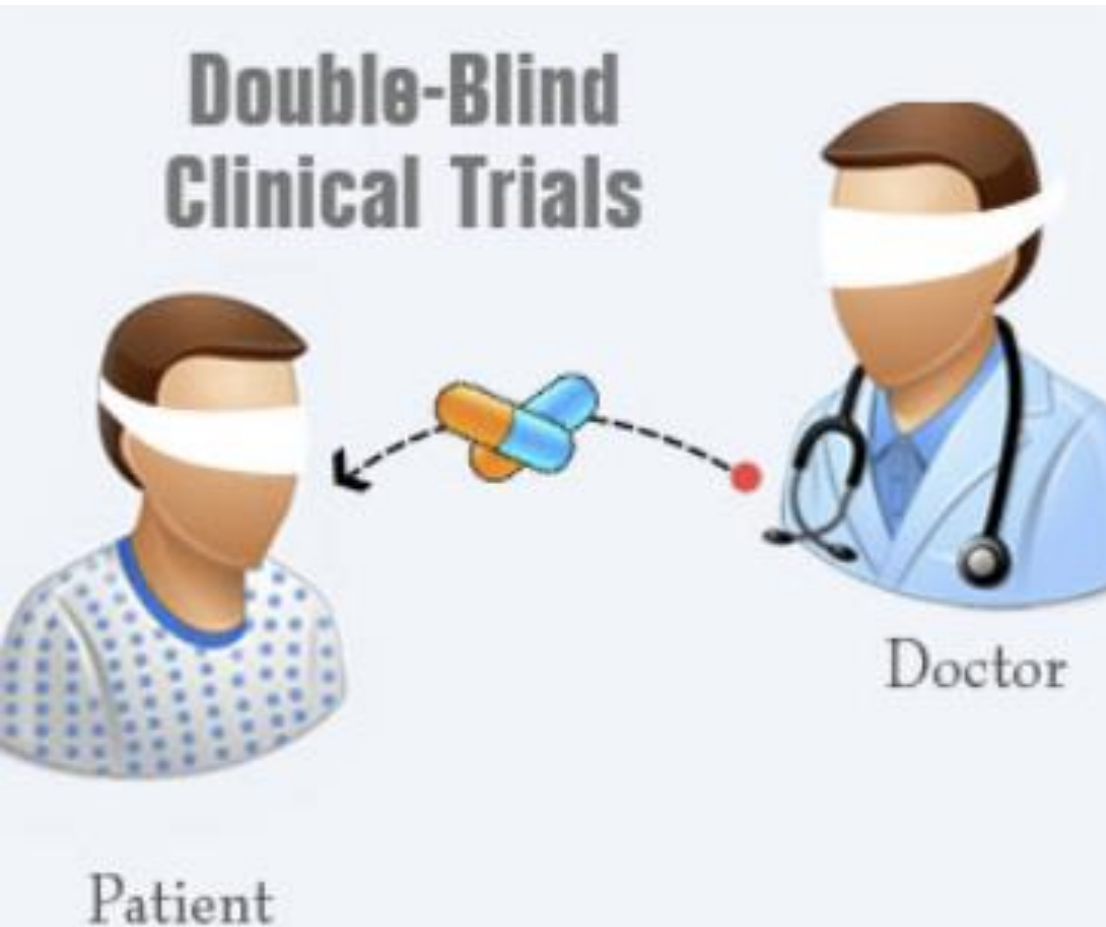
- Conformity to applicable Essential Requirements
- Safety
- Clinical effectiveness (as per the intended use)

Respect rights of all stakeholders in order of criticality, mainly the safety, health and well being of involved human subjects



STUDY DESIGN: to be assessed

The best design that is technically possible



ENDPOINT: pilot studies

01	Essential Requirements	<ul style="list-style-type: none">● not fully covered by technical tests/ device validation● clinical risks
02	Intended use(s) and performances	<ul style="list-style-type: none">● Explorative● Dataset creation
03	Safety	<ul style="list-style-type: none">● Side effects● Activation of alarms/protection● Ergonomic features
04	Information	<ul style="list-style-type: none">● User education, skills and experience● Digital autonomy

ENDPOINT: pivotal study

01	Essential Requirements	<ul style="list-style-type: none">● not fully covered by technical tests/ device validation● clinical risks
02	Intended use(s) and performances	<ul style="list-style-type: none">● Expected clinical outputs● Expected benefits
03	Safety	<ul style="list-style-type: none">● Side effects● Activation of alarms/protection● Ergonomic features
04	Information	<ul style="list-style-type: none">● Evaluation of IFU, label● Onboarding and training● Digital autonomy

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**Grazie per
l'attenzione!**



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