

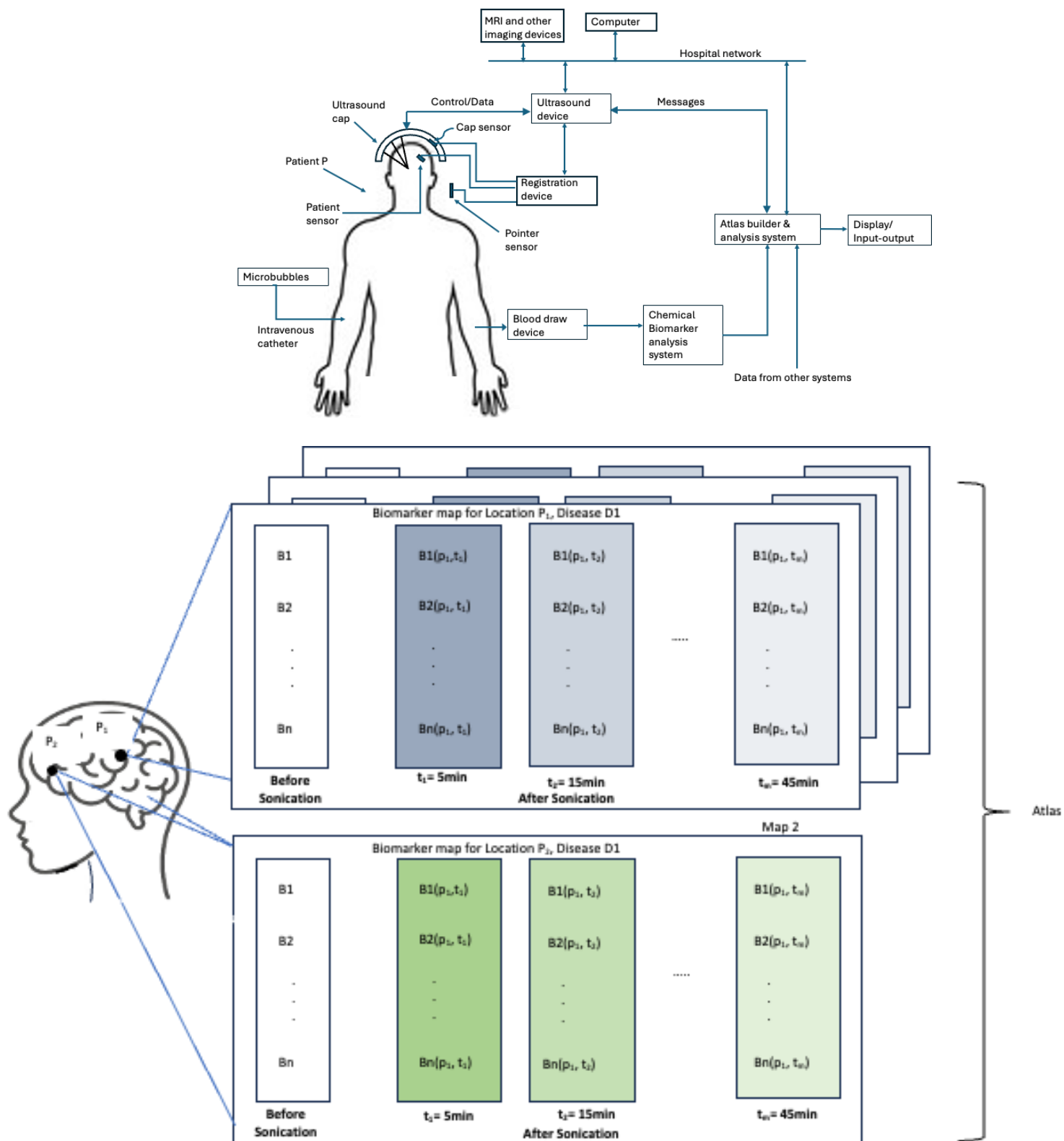
Background

- Understanding the biological, chemical, electrical, mechanical, and other aspects of organs is key to the development of treatments for diseases and conditions in humans.
- The brain is one of the hardest to diagnose and treat, partly due to its location within the skull, which makes it hard to access.
- In the brain, much needs to be discovered at a more microscopic, cellular, and molecular level.
 - Biomarkers (mechanical, electrical, and chemical) can provide invaluable information about the brain.

Hypothesis

- A biomarker atlas or map of the brain can be built over time and multiple patients
- The atlas can be built using non-invasive methods

Methods



Conclusions

- When built over multiple patients, and over time and disease conditions, atlas can serve as a reference data set
- The atlas can be used to understand the disease/health status of brain and can guide therapy decisions

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