

Summary

Work in progress

Outcome

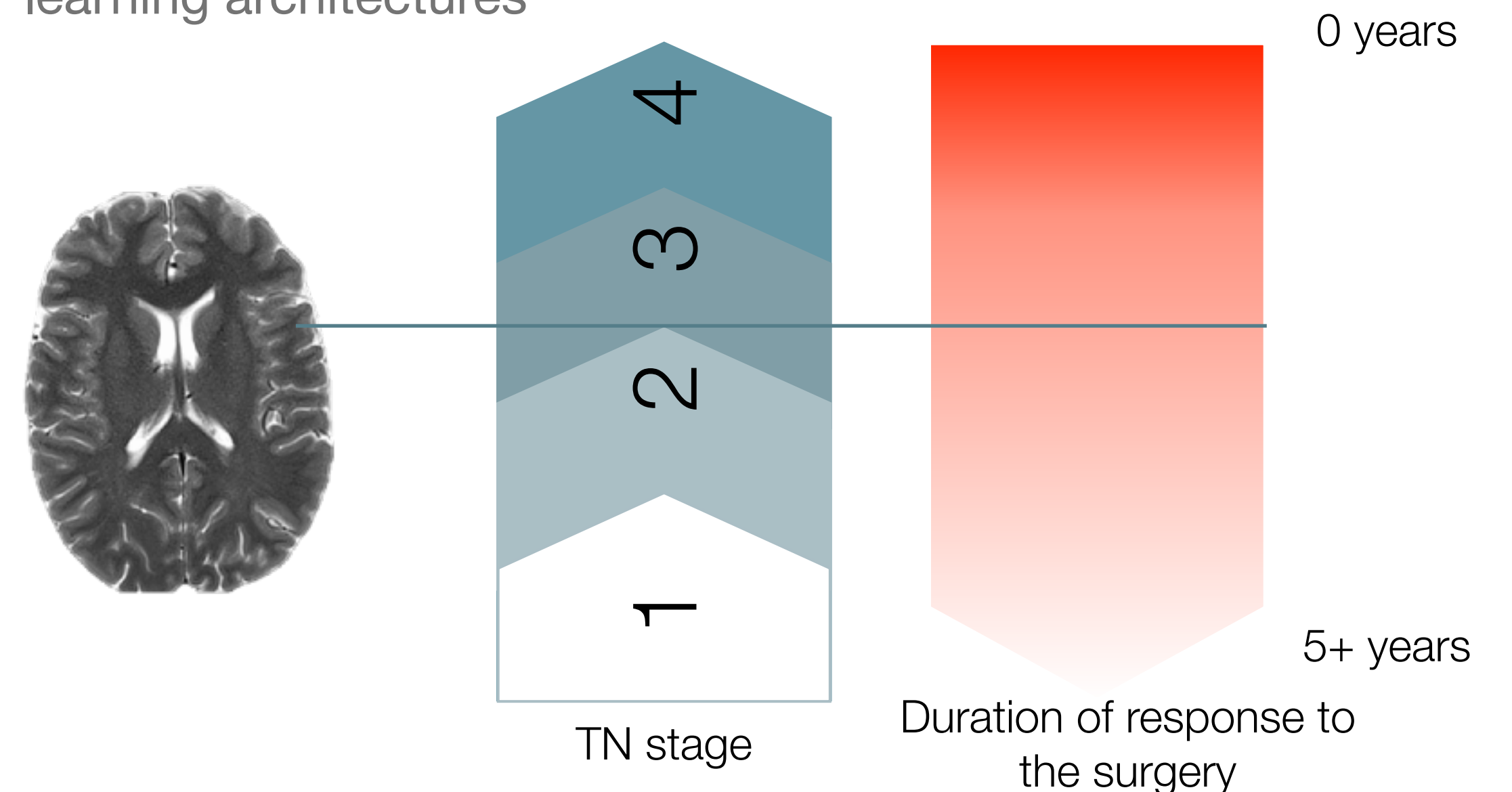
- Potential framework to provide a foundation for future development of ML-driven, clinical tools for TN assessment and surgical outcome prognostication.

Key takeaways

- Comparably to imaging data, clinical data may also be applied in ML to better understand and treat TN.
- TN-related features were largely prioritized by unsupervised ML

Future directions

- **Increase sample size** to better refine dataset and evaluate PC1 vs duration of surgical response correlation.
- **Supervised ML** utilizing advanced imaging data (objective measure) and novel pain grade metric (from subjective reports) to develop a surgical outcome prognostication tool. Exploring deep learning architectures



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