

Internal Motion Estimation during Free-Breathing via External/Internal Correlation Model

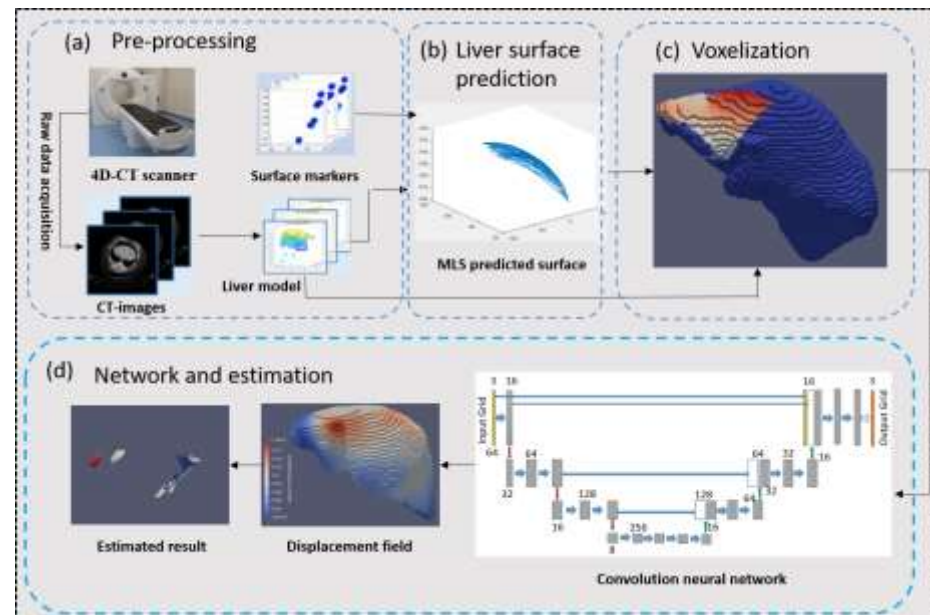
Yangyang Shi

Wuhan Research Institute of Posts and Telecommunications, China

Yuqi Tong and Ruotong Li and Weixin Si*

Shenzhen Institute of Advanced Technology, Chinese Academy of Sciences, China

- Two-step external-internal correlation model
- ✓ MLS based liver surface prediction
- ✓ CNN based non-rigid registration
- Accurate estimation of the target structures
- Improve clinicians' perception of vessels and tumors



The overview of our workflow