

Heartbeat optical coherence tomography

- 1) Light is faster than sound. (this thesis)
- 2) Current clinical OCT is too slow to escape cardiac motion but too fast to be corrected for it. (this thesis)
- 3) High-speed rotational scanning uniformity in imaging catheters benefits from using a micro motor. (this thesis)
- 4) A torque measured in Nano-Newton-meter can be useful in a macroscopic mechanism system. (this thesis)
- 5) The catheter tube in IV-OCT introduces astigmatism that may be corrected for better image quality. (this thesis)
- 6) A “Fantastic Voyage” can be realized by using endoscopic imaging catheters rather than shrinking us.
- 7) A drawing means a thousand words while a diagnostic image is worth a thousand measurements.
- 8) He who loves practice without theory is like the sailor who boards ship without a rudder and compass and never knows where he may cast. (Leonardo da Vinci)
- 9) Miracles sometimes occur, but one has to work terribly hard for them. (C. Weizmann)
- 10) Working with 'Echte Rotterdammers' is the best way to become 'een Echte Rotterdammer'.
- 11) 地势坤，君子以厚德载物。(周易)
As earth's condition is receptive devotion, a gentle man should hold the outer world with broad mind. (Zhou Yi: Classic of change)