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Online Tracking and Retargeting with Applications to Optical Biopsy
in Gastrointestinal Endoscopic Examinations

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Highlights

- An online detection cascade is introduced to address optical biopsy retargeting
- A random binary descriptor is proposed and used as a simple random forest classifier
- Shape context is combined with RANSAC to provide location verification for detection
- Detailed in-vivo validation showed that our framework outperforms existing trackers

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