

Active Bleeding Framework

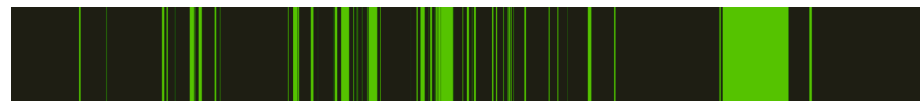
GT

inferred



Spatial Annotation

{Start='500', End='800'}
{Start='900', End='1000'}
...

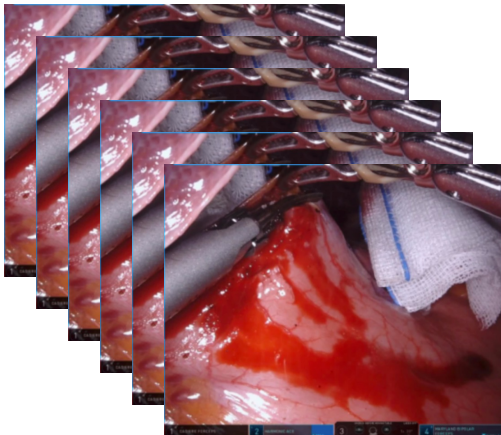


Temporal Annotation

Train

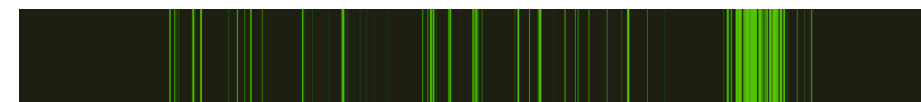
Test

Clip



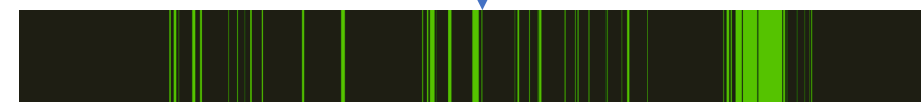
3 fold inference

Fusion Model
(AMAGI)



Temporal Localization
for entire surgery

Post Processing
with
Surgical Index Measures



Temporal Localization
after post-processing

Blood Count =?
Bleeding Duration =?

Surgical Index

Gastrectomy Video