CASCAP Workflow
CASCAP: Health innovation for northeastern Thai to fight cholangiocarcinoma

- Individual who perceived risk for developing CCA (self-enrolment)
- Population in responsible area of primary health care units

**Inclusion criteria**
Typical northeastern Thai age of ≥40 years who have any of the followings:
- Ever been infected by liver fluke
- Ever been treated for liver fluke
- Ever had uncooked fresh water fish with scales

**Consented?**
- Yes: Enrollment (www.cascap.in.th)
- No: Stop

**Baseline characteristics**
CCA-01

**Ultrasound screening**
CCA-02

**U/S Finding**
- Normal(-)
- Abnormal(+): Suspected CCA

**Confirmatory diagnosis**
[CT/MRI/MRCP] CCA-02.1

**CT/MRI/MRCP Finding**
- Positive
- Negative

**New patient (Walk in)**
- Apply informed consent
- Apply CCA-01

**Diagnosis & Treatment**
CCA-03 & CCA-03.1

**Final staging**
CCA-04

**Follow-up**
CCA-05

**Surgery training**
(Physicians, Nurses) + Web based consultation

**Ultrasonography Training + Teleradiology**
(Web based consultation)

**Screening Cohort**

**Follow-up schedule:**
1. Follow-up schedule: 3 after surgery then every 6 month for 5 year duration
2. An active follow-up is needed if the patient lost to follow-up more than 1 year
3. After the end of the study, i.e., completion of 5 years, each patient will continue to follow-up for at least 10 years

www.cascap.in.th