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# Support for introduction of pediatric endosurgery in Nepal as global pediatric surgery: preliminary needs assessment survey and investigation of skills for endosurgery

**Submission date**
15/02/2021

**Recruitment status**
No longer recruiting

**Registration date**
17/02/2021

**Overall study status**
Completed

**Last Edited**
17/02/2021

**Condition category**
Surgery

[ ] Prospectively registered
[ ] Protocol
[ ] Statistical analysis plan
[ ] Results
[ ] Individual participant data
[ ] Record updated in last year

## Plain English summary of protocol

Background and study aims
Endosurgery is minimally invasive surgery in which tools are inserted into the body and operated outside of the body, guided by a small video camera is inserted into the body. Endosurgery provides several advantages over open surgery in the context of global surgery; however, there are several barriers to its introduction. A needs assessment survey is useful for understanding the needs and barriers facing pediatric endosurgery and important for determining methods of supporting its introduction in low- and middle-income countries (LMICs).

This study aims to find the needs and barriers of pediatric endosurgery among Nepalese pediatric surgeons.

Who can participate?
Pediatric surgeons in Nepal

What does the study involve?
The study involves a questionnaire-based survey about the current status, needs, and barriers of endosurgery in Nepal. The questionnaire includes a series of questions about participant experience in endosurgery, endosurgery at their hospitals, and their confidence in their own endosurgical skills.

What are the possible benefits and risks of participating?
Participants could learn the basic skills of endosurgery. There are no anticipated risks.

Where is the study run from?
Kagoshima University (Japan)

When is the study starting and how long is it expected to run for?
From June 2019 to November 2019

Who is funding the study?
Kagoshima University (Japan)

Who is the main contact?
Dr Masakazu Murakami, mrkm@m.kufm.kagoshima-u.ac.jp

# Contact information

### Type(s)
Scientific


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# Additional identifiers

### Protocol serial number
20191

# Study information

### Scientific Title
Needs assessment survey for supporting the introduction of pediatric endosurgery in Nepal as global pediatric surgery: A questionnaire-based study

### Study objectives
Is assessing needs and barriers to pediatric endosurgery important to analyze effective support methods for the introduction of endosurgery as global surgery in low- and middle-income countries?

### Ethics approval required
Old ethics approval format

### Ethics approval(s)
Approved 05/09/2019, the institutional review board of Kagoshima University (8-35-1, Sakuragaoka, Kagoshima City, 890-8520, Japan; +81-99-275-5444; kufsyomu@kuas.kagoshima-u.ac.jp), ref: 170361(635)-2

## Primary study design
Observational

## Study design
Questionnaire-based observational survey study

## Study type(s)
Other

## Health condition(s) or problem(s) studied
Surgical education for pediatric endosurgery

## Interventions
Participants will be provided with a questionnaire-based needs assessment survey for pediatric surgeons in Nepal.

The needs assessment survey inquired about the current status, needs, and barriers of endosurgery in Nepal. The questionnaire includes a series of closed-end questions about the respondents' experience in endosurgery, endosurgery at their hospitals, and their confidence in their own endosurgical skills to assess the current status of pediatric endosurgery in Nepal.

Surgeons' confidence was recorded on a 5-point Likert-type scale.

To assess the needs of endosurgery, the questionnaire included a series of closed-end questions about endosurgical procedures needed in the field of pediatric surgery in Nepal, the advantages of endosurgery compared to open surgery in the context of Nepal, and the skills and knowledge needed for endosurgical training. Responses about advantages and training were recorded on a 5-point Likert-type scale.

The questionnaire also included a free-text comment about the support that respondents expect from the study team. To assess the barriers, the questionnaire included a closed-end question about barriers to the introduction of endosurgery.

## Intervention Type
Other

## Primary outcome(s)
1. Surgeons' confidence of endosurgery measured using a 5-point Likert-type scale at the time of the survey
2. The needs of pediatric endosurgery measured using closed-end questions at the time of the survey
3. The barriers of pediatric endosurgery measured using closed-end questions at the time of the survey

## Key secondary outcome(s)
There are no secondary outcome measures

## Completion date
27/11/2019

# Eligibility

**Key inclusion criteria**
Pediatric surgeons working in Nepal

**Participant type(s)**
Health professional

**Healthy volunteers allowed**
No

**Age group**
Adult

**Sex**
All

**Total final enrolment**
14

**Key exclusion criteria**
Does not meet inclusion criteria

**Date of first enrolment**
01/07/2019

**Date of final enrolment**
26/11/2019

# Locations

**Countries of recruitment**
Japan

Nepal

**Study participating centre**
**Kagoshima University**
8-35-1
Sakuragaoka
Kagoshima City
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890-8520

# Sponsor information

**Organisation**
Kagoshima University

**ROR**
https://ror.org/03ss88z23

# Funder(s)

**Funder type**
University/education

**Funder Name**
Kagoshima University

**Alternative Name(s)**
, Kagoshima Daigaku

**Funding Body Type**
Private sector organisation

**Funding Body Subtype**
Universities (academic only)

**Location**
Japan

# Results and Publications

**Individual participant data (IPD) sharing plan**
The datasets generated during and analysed during the current study will be available upon request from anyone who wishes to access the data for any purpose. All of the individual participant data collected during the trial, after identification, will be available immediately following publication with no end date. Proposals may be submitted following article publication. Information regarding submitting proposals and accessing data may be found in the published article.

**IPD sharing plan summary**
Available on request