

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	<input type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
Registration date 17/02/2021	Overall study status Completed	<input type="checkbox"/> Statistical analysis plan <input type="checkbox"/> Results
Last Edited 17/02/2021	Condition category Surgery	<input type="checkbox"/> Individual participant data <input type="checkbox"/> 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?
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Contact information

Type(s)
Scientific

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Additional identifiers

Clinical Trials Information System (CTIS)
Nil known

ClinicalTrials.gov (NCT)
Nil known

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

Study design

Questionnaire-based observational survey study

Primary study design

Observational

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
Japan
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

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Participant information sheet	Participant information sheet	11/11/2025	11/11/2025	No	Yes