



भारत संकेत सं. 0111K2382



**पेटेंट कार्यालय भारत सरकार | The Patent Office, Government Of India**  
**पेटेंट प्रमाण पत्र | Patent Certificate**  
(पेटेंट विनियमों का नियम 24) | (Rule 24 of The Patents Rules)

पेटेंट सं. / Patent No. : 477562  
आवेदन सं. / Application No. : 759/DEL/2015  
प्रदान करने की तारीख / Date of Filing : 20/03/2015  
पेटेंटी / Patentee : DR. ASHISH KUMAR KANNALJIA

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में व्यापकित *ELECTRONIC INTUBATING BOUGIE* नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख याने 2015 के बीसवें दिन से बीस वर्ष की अवधि के लिए पेटेंट अतुरत किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled *ELECTRONIC INTUBATING BOUGIE* as disclosed in the above mentioned application for the term of 20 years from the 20<sup>th</sup> day of March 2015 in accordance with the provisions of the Patents Act, 1970.



प्रदान की तिथि : 06/12/2023  
Date of Grant :

Controller of Patents

**ध्यान** - इस पेटेंट के नवीकरण की तिथि 2017 के मार्च 20 के दिन थी और नवीकरण शुल्क का भुगतान नहीं किया गया था।

**Note** - The fees for renewal of this patent, if it is to be maintained, will fall / has fallen due on 20<sup>th</sup> day of March 2017 and on the same day in every year thereafter.

**Lt Col Varun Bajpai VSM**  
Executive Registrar  
SGPGIMS, Lucknow



क्रम सं/SL No.:011195409



सत्यमेव जयते

पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India
Patent Certificate

(पेटेंट नियमावली का नियम 74)

(Rule 74 of The Patents Rules)

पेटेंट सं./ Patent No. 505013

आवेदन सं./ Application No. 201811009657

फाइल करने की तारीख / Date of Filing 16/03/2018

पेटेंटी / Patentee Indian Institute of Technology, Kanpur

आविष्कारकों का नाम / Name of Inventor(s) 1.Pushpal Dey 2.Ramkumar Janakarajan 3.Vinita Agrawal

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकटित A SAMPLE EXTRACTION DEVICE AND OPERATION METHOD THEREOF नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख मार्च 2018 के सोलहवें दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled A SAMPLE EXTRACTION DEVICE AND OPERATION METHOD THEREOF as disclosed in the above mentioned application for the term of 20 years from the 16th day of March 2018 in accordance with the provisions of the Patents Act, 1970.



पेटेंट नियंत्रक

अनुदान की तारीख

30/01/2024

Date of Grant

Controller of Patents

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, मार्च 2020 के सोलहवें दिन की और उसके पचास प्रत्येक वर्ष में उसी दिन देय होगी। Note - The fees for renewal of this patent, if it is to be maintained, will fall / has fall on 16/03/2020 and on the same day in every year thereafter.

Executive Registrar SPCGIMS, Lucknow

Home (<http://ipindia.nic.in/index.htm>) About Us (<http://ipindia.nic.in/about-us.htm>) Who's Who (<http://ipindia.nic.in/whos-who-page.htm>)  
 Policy & Programs (<http://ipindia.nic.in/policy-pages.htm>) Achievements (<http://ipindia.nic.in/achievements-page.htm>)  
 RTI (<http://ipindia.nic.in/right-to-information.htm>) Feedback (<https://ipindiaonline.gov.in/feedback>) Sitemap (<http://ipindia.nic.in/itemap.htm>)  
 Contact Us (<http://ipindia.nic.in/contact-us.htm>) Help Line (<http://ipindia.nic.in/helpline-page.htm>)

22-23

Skip to Main Content



(<http://ipindia.nic.in/index.htm>)



(<http://ipindia.nic.in/index.htm>)

## Patent Search

Invention Title	AIRWAY DEVICE TO FACILITATE FACE MASK VENTILATION IN EDENTULOUS PATIENTS
Publication Number	02/2017
Publication Date	13/01/2017
Publication Type	INA
Application Number	201611001718
Application Filing Date	18/01/2016
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	BIO-MEDICAL ENGINEERING
Classification (IPC)	A41D0013110000, A45D0044220000, A61C0007060000, A61C0019000000, A61M0016040000

## Inventor

Name	Address	Country	Nationality
DR CHETNA SHAMSHERY	M-139, AASHIANA COLONY, KANPUR ROAD, LUCKNOW, 226012, UP.	India	India
DR ASHISH KANNAUJIA	TYPE 4/102 NEW CAMPUS S.G.P.G.I.M.S. LUCKNOW 226014, UP	India	India

## Applicant

Name	Address	Country	Nationality
DR CHETNA SHAMSHERY	M-139, AASHIANA COLONY, KANPUR ROAD, LUCKNOW, 226012, UP.	India	India

## Abstract:

ABSTRACT. US data shows the geriatric population constituting 14% of their population in 2013 and an increase up to 21% by the year 2050. With increasing age, challenges related to anesthesia increase due to the anatomical and physiological changes, and deterioration in all the organ systems including the airways. One of the predictors to difficult bag and mask ventilation is "a patient who is edentulous". Bag and mask ventilation is difficult to perform in edentulous because of 2 reasons: 1) The oral contour and bulge which is necessary for a complete seal of the face mask is lost due to lack of teeth. This leads to persistent air leak around the mask hence making the ventilation ineffective. 2) On administration of the muscle relaxant the tone of the buccal and pharyngeal muscles is further deteriorated hence adding to the airway insult. This problem has been dealt by methods that aim to reduce the air leak surrounding the face mask. It has been done in the past by two ways: 1) Manipulate the face mask holding techniques: a) Wherein the face mask of a toddler size extends from the bridge of the nose to the maxillary alveolar lip b) the caudal edge of the mask is placed above the lower lip and the neck is maintained in extension 2) pulling the lax sunken cheeks towards the mask to maintain the buccal bulge by either a) putting gauze pieces inside the mouth. b) keeping the dentures in during mask ventilation Our Invention: To overcome the problem of lax and sunken cheeks in edentulous patients, we have evolved an idea of a cuffed oropharyngeal airway which would have its cuff situated just distal to the bite block. Features of the airway: a) Rigid and smooth fiber material b) Bite block c) Availability in different sizes d) Cuff is pear shaped on both the sides so that it inflates and supports the immediate perioral area and simultaneously inflates maximum in the area of the cheeks. e) Spring loaded one way valve regulated inflation line. f) Cuff of different volumes for different sized airway g) Location of the cuff is just distal to the bite block, but not extending along the complete length. ADVANTAGES: a) Easy to use, as all the anesthesiologists and even the paramedics is trained to use the oropharyngeal airway; b) The various maneuvers explained to seal the perioral leak are subjected to the skill; one possesses and requires practice. But just oral airway insertion and cuff inflation are relatively easy to perform. c) Cuff inflation would inflate the cheeks from inside the mouth hence reduction in the air leak around the facemask could be achieved. d) Also after administration of the muscle relaxants further loss of buccal or perioral muscle tone will not affect. e) Previously this was achieved by either putting gauze pieces inside the mouth to cover up the hollow cheeks or allowing the patient to wear the dentures during ventilation, but this could lead to incidence of aspiration, which could be avoided if the cuff is attached to the airway. f) It is a cheap and a disposable option.

*Bajpai*  
 Lt Col Varun Bajpai VSM  
 Executive Registrar  
 SGPGIMS, Lucknow



कम सं/SL No : 011174834



पेटेंट कार्यालय, भारत सरकार | The Patent Office, Government Of India  
पेटेंट प्रमाण पत्र | Patent Certificate

(पेटेंट नियमावली का नियम 74) | (Rule 74 of The Patents Rules)

पेटेंट सं. / Patent No. : 462117

आवेदन सं. / Application No. : 201611001718

फाइल करने की तारीख / Date of Filing : 18/01/2016

पेटेंटी / Patentee : DR CHETNA SHAMSHERY

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकटित AIRWAY DEVICE TO FACILITATE FACE MASK VENTILATION IN EDENTULOUS PATIENTS नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख जनवरी 2016 के अठारहवें दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled AIRWAY DEVICE TO FACILITATE FACE MASK VENTILATION IN EDENTULOUS PATIENTS as disclosed in the above mentioned application for the term of 20 years from the 18<sup>th</sup> day of January 2016 in accordance with the provisions of the Patents Act, 1970.

**Li Col Varun Bajpai VSM**  
Executive Registrar  
SGPGIMS, Lucknow



अनुदान की तारीख : 26/10/2023  
Date of Grant :

पेटेंट नियंत्रक  
Controller of Patents

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, जनवरी 2018 के अठारहवें दिन को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।  
Note. - The fees for renewal of this patent, if it is to be maintained, will fall / has fallen due on 18<sup>th</sup> day of January 2018 and on the same day in every year thereafter.

क्रम सं/SL No :011194460



**पेटेंट कार्यालय, भारत सरकार** **The Patent Office, Government Of India**  
**पेटेंट प्रमाण पत्र** **Patent Certificate**

(पेटेंट नियमावली का नियम 74) (Rule 74 of The Patents Rules)

पेटेंट सं. / Patent No.

502928

आवेदन सं. / Application No.

201711043075

फाइल करने की तारीख / Date of Filing

30/11/2017

पेटेटी / Patentee

INDIAN INSTITUTE OF TECHNOLOGY KANPUR

आविष्कारकों का नाम / Name of Inventor(s)

- 1.KAR, Kamal, Krishna
- 2.GUPTA, Nirmal, Kumar
- 3.BHARADWAJ, Mridul
- 4.AHMED, Meraj
- 5.DAS, Malay, Kumar
- 6.MURALIDHAR, Krishnamurthy
- 7.MONDAL, Sutapa

प्रमाणित किया जाता है कि पेटेटी को, उपरोक्त आवेदन में यथाप्रकटित **SPHERICAL TRI-LEAFLET HEART VALVE** नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख नवम्बर 2017 के तीसवें दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled **SPHERICAL TRI-LEAFLET HEART VALVE** as disclosed in the above mentioned application for the term of 20 years from the 30<sup>th</sup> day of November 2017 in accordance with the provisions of the Patents Act,1970.



*[Signature]*  
**पेटेंट नियंत्रक**  
**Controller of Patents**

अनुदान की तारीख : 24/01/2024  
Date of Grant :

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, नवम्बर 2019 के तीसवें दिन को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।  
**Note - The fees for renewal of this patent, if it is to be maintained, will fall / has fallen due on 30<sup>th</sup> day of November 2019 and on the same day in every year thereafter.**

**Lt Col Varun Bajpai VSM**  
Executive Registrar  
SEPGRMS, Lucknow

## Technology Transfer

### Transfer of SOPs to Establish Non-Transplant Organ Retrieval to Centre to GIMS, Grater Noida



**GOVERNMENT INSTITUTE OF MEDICAL SCIENCES**  
Greater Noida, Gautam Buddha Nagar-201310, Tel-0120-2341738, 9999384468  
Website: www.gims.ac.in, Email-gimsgnoida16@gmail.com  
(An Autonomous Institute under Govt. of U.P)

Letter No. GIMS/2022/Organ Donation /1536

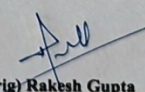
Date: 28-07-2022

To,  
**Dr. R. Harsvardhan**  
Nodal Officer  
State Organ and Tissue Transplant Organization (SOTTO) UP  
& Head, Dept. of Hospital Administration  
SGPGIMS, Lucknow-206014 (UP)


**SUBJECT: REQUEST FOR DRAFTING SOP AND SUPPORT TO ESTABLISH NON-TRANSPLANT ORGAN RETRIEVAL CENTRE AT GOVERNMENT INSTITUTE OF MEDICAL SCIENCES (GIMS) GREATER NOIDA**

Respected Sir,

1. The Government Institute of Medical Sciences (GIMS) Greater Noida, Gautam Buddha Nagar (UP) is an autonomous tertiary care teaching medical institute established by the Government of Uttar Pradesh. It has started MBBS course for 100 students since 01 Aug 2019 and Post graduate courses in clinical specialties since 2020 though National Board of Examinations, College of Nursing for 60 students in 2021 and Paramedical school for 60 students in 2021.
2. There are approximately 1500-2000 patients are visiting every day and more than 300 patients are admitted in the hospital. There are 40-50 patient admitted every day. The institute is located at the interjection of Yamuna Expressway & Eastern Peripheral expressway and lots of RTA cases & critical casualties are being brought to this hospital. These patients, if deteriorate to brain death/dies can be counselled to donate the organ and given to needy patients. The institute is trying all efforts to improve the patient care.
3. The institute has adequate infrastructure, equipments and human resource to establish Non-Transplant Organ Retrieval Centre and accordingly applied to SOTTO and NOTTO to establish Non- Transplant Organ Retrieval Centre at GIMS. The institute need to support to establish the same.
4. In view of the above, it is requested to visit the institute and assist/guide to establish the Non-Transplant Organ Retrieval Centre at GIMS. TA and other expenses will be paid by GIMS as per institutional rules.

  
Dr. (Brig) Rakesh Gupta  
Director  
Govt. Institute of Medical Sciences  
Greater Noida

Scanned by Scanner Go

  
Lt Col Varun Bajpai VSM  
Executive Registrar  
SGPGIMS, Lucknow

## Technology Transfer

### Transfer SOP for Hospital Management System to LPS Institute of CVTS

LPS INSTITUTE OF CARDIOLOGY & CARDIAC SURGERY

(Centre of Excellence in Heart Surgery, Govt of UP)

GSVM MEDICAL COLLEGE, KANPUR (UP)

P.ho: +91 -512-2532269 Fax: +91 -512-2547978,2540853 E-mail: vinaycvts@gmail.com

**Prof (Dr) Vinay Krishna**

MBBS, MS, MCh (CVTS), PDCC (Hosp Mgt: NIHFV)

**Director**

Ex.Member Medical Council of India



**Residence:**

T- 4/17, New Officer's Colony,

Rawatpur, Kanpur-208002

Phone: 2534757(R)

Mobile: 9336124729

Ref. No. HRS/2022-23/3590

Dated: 02.09.2022

To,

**Prof. (Dr) Rajesh Harshvardhan,**

Head, Department of Hospital Administration,

SGPGIMS, Lucknow.

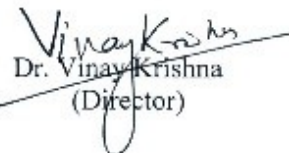
SUB: Invitation to visit LPS Institute of Cardiology and Cardio Vascular Thoracic Surgery, Kanpur.


Respected Sir,

This is to request you to kindly visit our Institute on 07-09-2022 and guide us to implement hospital management system in our Institute.

Our Institute being an apex referral centre in the State of U.P. Our clinical workload is immense. Hence to optimize the judicious use of resources and provide best possible care to the patients, your guidance is immesly needed.

Yours Sincerely

  
Dr. Vinay Krishna  
(Director)

  
Lt Col Varun Bajpai VSM  
Executive Registrar  
SGPGIMS, Lucknow

## Technology Transfer

### Transfer SOPs for Establishment Dept. of Hospital Administration to GIMS, Greater Noida



#### GOVERNMENT INSTITUTE OF MEDICAL SCIENCES

Greater Noida, Gautam Buddha Nagar-201310, Tel-0120-2341738, 9999384468

Website: www.gims.ac.in, Email-gimsgnoida16@gmail.com

(An Autonomous Institute under Govt. of U.P)

Ref. No. GIMS/2023/1946

Date: 08-09-2023

To  
Dr. R. Harsvardhan  
Head, Dept. of Hospital Administration  
SGPGIMS, Lucknow-206014 (UP)

**SUBJECT: REQUEST TO PROVIDE GUIDANCE AND SUPPORT TO ESTABLISH THE DEPT. OF HOSPITAL ADMINISTRATION AT GOVERNMENT INSTITUTE OF MEDICAL SCIENCES (GIMS), GREATER NOIDA**

Respected Sir,

1. Government Institute of Medical Sciences, Greater Noida, is an autonomous tertiary care institute of Government of UP, with a mission to provide affordable health services to all sections of the society and has been envisioned to be in the forefront of providing excellent professional medical education and multi-disciplinary research. The institute has started MBBS (2019), DNB (2020), College of Nursing (2021) and Paramedical School (2021)
2. The workload of GIMS has been increasing exponentially and also Institute College project need to be developed in coming year and hence, there is an urgent need to establish Dept of Hospital Administration and the same was put up to Govt.
3. On 21<sup>st</sup> Aug 2023, Governing body of GIMS was held under the chairmanship of hon'ble Chief Secretary, has agreed in principle to establish the Dept. of Hospital administration, however, it was instructed to present the detailed proposal of duties and responsibilities of the Hosp. Admin. Department.

In view of the above, it is requested to provide guidance and support to establish the Dept. of Hospital Administration at GIMS. TA and other expenses will be paid by GIMS as per institutional rules for visiting the institute. Copy to:

1. Director, SGPGIMS, Lucknow

  
(Rakesh Gupta)

Dr. (Brig) Rakesh Gupta  
Director, GIMS9850042002

  
Lt Col Varun Bajpai VSM  
Executive Registrar  
SGPGIMS, Lucknow



## Technology Transfer

### Standard Operating Procedures for Kidney Transplant



The Kidney Transplant Team of SGPGIMS comprising faculty members from Department of Urology, Nephrology and Anesthesiology transferred the SOPs for the kidney transplant and helped the set up and carry out successful kidney transplant at AIMS jodhpur. This was highlighted in newspaper November 2022.

Lt Col Varun Bajpai VSM  
Executive Registrar  
SGPGIMS, Lucknow

## Technology Transfer

### Standard Operating Procedures for Kidney Transplant to AIMS Raipur

**नवभारत** Rajdhani - 24 Dec 2022 - 24raj1  
epaper.navabharat.news

### राज्य के किसी सरकारी अस्पताल में पहला किडनी ट्रांसप्लांट, आज एक और मरीज का होगा किडनी ट्रांसप्लांट बटे की किडनी हो गई थी खराब, एम्स में मां की किडनी प्रत्यारोपित

नवभारत रिपोर्टर: रायपुर।

लंबी कवायद के बाद राज्य के पहले सरकारी अस्पताल अखिल भारतीय आयुर्विज्ञान संस्थान(एम्स) में 23 दिसंबर को पहला किडनी ट्रांसप्लांट हो गया। चार घंटे ऑपरेशन के बाद एक मां की किडनी उसके 27 साल के बेटे को लगाई गई। एम्स के किडनी रोग विशेषज्ञ डॉ. विनय राठौर ने बताया कि कबीरधाम के इस युवक को किडनी की गंभीर बीमारी थी। जब एम्स में पहुंचा तब यह डायालिसिस की स्थिति में आ चुका था। उसे चार महीने डायलिसिस में

एम्स के चिकित्सक श्रे शामिल -ट्रांसप्लांट में रायपुर एम्स से यूरोलॉजी विभाग से डॉ.अमित शर्मा, डॉ. दीपक चिस्वाल, डॉ. सत्यदेव के अलावा डॉ. रोहित, रेडियोलॉजिस्ट्स से डॉ.नरेंद्र बोधे के साथ ही डॉ. सुब्रत, डॉ. मयंक और डॉ. जितेंद्र को टीम ने किडनी का प्रत्यारोपण किया। नर्सिंग और तकनीकी सहायता विजय कुमार, प्रेरणा गौरव, विशोक, रीना कुरीयाकोमे, अंबे पटेल और विनिता पटेल ने प्रदान की।

रखने के बाद ट्रांसप्लांट किया गया। डॉ. पर यदि मरीज तत्काल अस्पताल पहुंच जाए विनय राठौर ने कहा कि किडनी बीमारी होने तो यह नौबत नहीं आती।

**एक महीने निगरानी में रखा गया**

कबीरधाम के इस मरीज को ट्रांसप्लांट के पहले लगभग एक महीने एम्स में भर्ती करके निगरानी में रखा गया था। इसके साथ उनकी मां का स्वास्थ्य परीक्षण करके ट्रांसप्लांट के लिए सभी परिस्थितियों के अनुकूल तैयारी की गई।

**कैडेवर ट्रांसप्लांट भी होगा: डॉ.नागरकर**

एम्स के डायरेक्टर प्रो. डॉ. नितिन एम नागरकर ने कहा कि सरकारी अस्पताल में ट्रांसप्लांट की सुविधा से समाज के एक बड़े वर्ग को सस्ते इलाज के रूप में राहत मिलेगी। यह जीवित दानदाता से मिले किडनी का प्रत्यारोपण है, हमारे यहां अब कैडेवर ट्रांसप्लांट भी किया जाएगा।

**लखनऊ के चिकित्सकों का सहयोग मिला**

ट्रांसप्लांट के लिए संजय गांधी पीजी ईस्टीट्यूट लखनऊ के चिकित्सकों को बतौर मार्गदर्शन के लिए बुलाया गया था। इसमें प्रो.डॉ.एमएम अंसारी के निदेशन में डॉ. संजय कुमार सुरका, डॉ. पुनीष कुमार केएम, डॉ. मानस रजन पटेल और डॉ. दिव्या श्रीवास्तव शामिल थीं।

The kidney transplant team of SGPGIMS comprising faculty of Department of Urology, Nephrology and Anesthesiology transferred the SOPs for the kidney transplant and helped the set up and carry out successful kidney transplant at AIMS Raipur in December 2022



**Lt Col Varun Bajpai VSM**  
Executive Registrar  
SGPGIMS, Lucknow

