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**Clinical Odyssey**  
for Organizations

Medical Joyworks is a physician-led company, offering digital products and solutions to the medical sector.

Over 400,000 customers—medical practitioners, students, medical schools, hospitals, governments, and pharma companies—trust us to become better physicians, increase sales, and innovate their business.



MEDICAL JOYWORKS

# Clinical Odyssey for Organizations

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# About Medical Joyworks, LLC

Medical Joyworks (MJ) is a physician-led company, offering digital products and solutions to the medical sector. Over 450,000 customers—medical practitioners, students, medical schools, hospitals, governments, and pharmaceutical companies—trust MJ to become better physicians, increase sales, and innovate their business.

Our company was founded on October 15th, 2010 by Dr. Nayana Somaratna and Mr. Sandaruwan Gunathilake; and we have remained an entirely self-funded operation from the start. This has allowed us to build Medical Joyworks on core beliefs and principles, all reflected in our work and in our behavior towards ourselves and others.

To date, Medical Joyworks's learning apps have been downloaded over 7.1 million times in 226 countries and territories. Our apps have a combined average user rating of 4.8 out of 5 stars and have also been conferred numerous international awards. As to our medical content, it is generated in-house by a team of highly experienced practicing physicians.

All our content is peer reviewed by our International Medical Board, an all-volunteer body of more than 180 board-certified specialists and specialists in training from all over the world.

## Our Values

- We reflect our sophistication by *keeping things simple*.
- We like to *ask questions so that we can learn and progress* better.
- We also *welcome discussions in order to learn and progress* better.
- Our *better ideas are those supported by clear hypotheses and data*.
- We believe that *quality medical content must be based on research and evidence*.
- We build *products designed to solve real problems* faced by physicians.
- Our *products must remain neutral and unbiased* always.
- Our *products must remain accessible* to as many people as possible.
- We *learn the most when we are engaged*, and we can stay engaged by having fun.

## More Information

For more information, please visit:  
<https://www.medicaljoyworks.com>

# Clinical Odyssey for Organizations

Maximize your impact as an educator with a clinical skills development library built with content loved by millions worldwide.

Clinical Odyssey for Organizations is a unique clinical skills development tool for leaders who want to give medical students and teams more practical experience with diverse clinical challenges. It offers realistic, evidence-based content that is peer-reviewed by certified specialists from around the world; and is designed to accompany structured educational/training programs in universities, hospitals, pharmaceutical companies, and other healthcare-related businesses.

Clinical Odyssey for Organizations is an adaptation of our highly acclaimed Clinical Odyssey product, which is used by thousands of university students and practicing healthcare professionals each year for their own skills development needs.

If you want a rich library of evidence-based titles (Clinical Sense adventure scenarios, Explain Medicine reference articles, Prognosis: Your Diagnosis case studies, and more)—one that your users will love, and that will help them become better professionals faster—Clinical Odyssey for Organizations is for you.

## Benefits

- 1. Help others gain plenty of practical experience with 700+ learning modules.** Choose from a growing catalog of learning modules (LMs) that spans more than 500 conditions and diseases. LMs are succinct content units providing just the right amount of information needed to achieve a specific task and strengthen a clinical concept. You can assign one or more LMs to entire groups, or to single individuals, giving your users the chance to practice repeatedly, reinforcing important knowledge all the time and anywhere.
- 2. Enjoy peace of mind with authoritative and trustworthy content.** Rely on LMs carefully crafted in-house by experienced clinicians, and peer-reviewed by the members of the MJ International Medical Board (the MJ IMB). LMs have valuable metadata, including: specialties and organ systems explored, ICD 10 codes, and publication references. This information helps you decide which LMs work best for your users. In addition, all LMs pass a continuous quality assurance program that runs from their initial draft to their final retirement.
- 3. Gain more freedom with practical and user-friendly technology.** Plug Clinical Odyssey for Organizations into your LMS or use its cloud-based management console, whichever option you prefer. Clinical Odyssey for Organizations meets the Learning Tools Interoperability 1.3 standard (LTI 1.3), meaning that you can embed its LMs into Blackboard, Canvas, Moodle, or any other

LMS. When using the cloud-based management console, there is no need for software downloads or complex synchronizations. Just go online and get down to work easily.

**4. Understand your users' progress with detailed performance data.**

Understand how your users are progressing in their learning with rich data sets and analytics functions that show their use of Clinical Odyssey for Organizations. The data points captured can be standard or customized to your needs; while analytics functions cover group and individual performance per playable LM, the number of times an LM was accessed, the time spent on an LM, and more. Any data generated by your users is immediately accessible to you, and yours to keep.

**5. Solve tech and medical inquiries with a team dedicated to you.**

Clinical Odyssey for Organizations offers a support team ready to assist you during office hours or customized to meet your specific operational needs. The support team is a part of the product development and experience units, a setup ensuring that you will always receive the best response to any technical or clinical inquiries. Clinical inquiries support is also available for your users via physician-moderated discussion boards—should you want this extra help.

**6. Advance professionally with a product priced to let you do more.**

Clinical Odyssey for Organizations has plans designed to accommodate specific needs. Normally it is a pay-as-you-go service, billed monthly around the number of individual users who access it (no hidden fees); but other billing options are available. You can also decide whether your organization or end users pay for it. Best of

all, it is priced so that you can still afford other teaching resources, ensuring personalized learning for your students and teams, and greater professional flexibility for you.

## Content

Content in Clinical Odyssey for Organizations is available under four titles, each a didactic format tailored to meet your users' multiple learning styles and needs:

**Clinical Sense:**

Interactive scenarios to help improve a user's ability to appropriately manage a patient over time (from presentation to admission to discharge and follow-up). Scenarios provide relevant facts and succinct explanations behind the underlying diagnostic and management rationale. They are intended to cover medical knowledge in breadth, and take between 10 to 15 minutes to complete.

**Explain Medicine:**

Reference articles to help a user stay up to date by providing easy-to-understand facts that are directly backed by citations to papers in peer-reviewed journals or standard textbook chapters. Articles have information presented as fact-explanation pairs (i.e., a succinct fact is paired with a detailed explanation). They are intended to be read independently of one another, and take between 10 and 15 minutes to read.

**Prognosis: Your Diagnosis:**

Interactive case studies to help improve a user's ability to identify the most appropriate investigations and optimal presentations, giving comprehensive explanations behind the underlying clinical thought process and rationale supporting today's most appropriate interventions. Case studies are highly focused. They are intended to cover medical knowledge

in depth, and take between five and 10 minutes to complete.

### **QBank Prepper (New!):**

Multiple-choice questions (MCQs) to help focus a user's test-prep time on medical knowledge blocks that can be more easily understood and recalled. MCQs provide relevant facts and succinct explanations justifying the rationale for each best answer recommended. They are properly backed by citations to papers in peer-reviewed journals or standard textbook chapters, can be used independently of one another, and take between one and two minutes to complete.

- discussion boards for engaging other users and the MJ medical team (optional).

Combined, these features have proven to make LMs powerful resources capable of delivering bite-sized knowledge with a big learning impact.

## **The learning module**

In Clinical Odyssey for Organizations every Clinical Sense scenario, Explain Medicine article, Prognosis: Your Diagnosis case, and QBank Prepper MCQ is a learning module (LM).

LMs provide just the right amount of information for a user to achieve a specific task and strengthen a clinical concept. Irrespective of the Clinical Odyssey title to which they belong, every LM includes:

- descriptive metadata for defining the main topic (subject and organ system covered, and learning topics covered);
- names of authors and peer reviewers;
- facts essential for comprehending the main topic;
- contextual information for narrowing the scope of the main topic;
- explanations for understanding all clinical reasoning pertinent to the main topic;
- facts, contextual information, and explanations of secondary topics;
- detailed citations and references supporting the knowledge provided in the LM; and

# Features

Find out what exactly makes Clinical Odyssey for Organizations the ideal digital learning resource for your university students and practicing medical teams.

Clinical Odyssey for Organizations is a learning resource that combines clinical content, group management capabilities, and teaching methodology. Its features are designed to ensure that you can:

- present abundant clinical knowledge to users with different learning styles and needs;
- deliver a consistent, reliable, and optimal user experience; and
- manage students and teams effectively;

Keep reading to learn more about the product and how it can help you achieve your goals.

## 700+ fully cited and peer-reviewed LMs

Learning modules (LMs) come under four unique titles tailored to meet multiple learning styles and needs:

- **Clinical Sense:** interactive scenarios to help users improve their ability to appropriately manage a patient over time

(from presentation to admission to discharge and follow-up).

- **Explain Medicine:** reference articles to help users stay up to date and recall facts along with their underlying explanations (fact-explanation pairs).
- **Prognosis: Your Diagnosis:** interactive case studies to help users improve their abilities to identify the most appropriate investigations and optimal presentations of a condition or disease.
- **QBank Prepper:** multiple choice questions to help users focus their test-prep time on medical knowledge blocks that can be more easily understood and recalled.

## Concise clinical details and meta information

LMs provide just the right amount of information needed to achieve a specific task and strengthen a clinical concept. Every LM includes:

- metadata defining the subject, organ system, and learning topics covered;
- names of the author and peer reviewers;
- facts essential for comprehending the main topic;
- contextual information for narrowing the scope of the main topic;
- explanations for understanding all clinical reasoning pertinent to the main topic;
- facts, contextual information, and explanations of secondary topics;
- detailed citations and references supporting the knowledge provided in the LM; and



- discussion boards for engaging other users and the MJ medical team (optional).

## LM scripts and graphs

LMS with interactive functionality (scenarios, case studies, and MCQs) include scripts for administrators, text files that showcase an LM's entire content without any gameplay/user functionalities present. Scripts are an easy way to view story/contextual narration, questions, answer options, and explanations. Scenarios also include graphs that display all their flow paths, from story beginnings to their correct/incorrect endings. Both scripts and graphs are helpful for evaluating LMS prior to deciding on how best to use them.

## Device-agnostic admin and user consoles

Browser-based administrative and user consoles (optional) work in most screen sizes of almost any desktop and mobile device. With the administrative console you can create and manage individual users and groups, evaluate LMS prior to assigning them to anyone, view individual and group scores, lead LM-specific discussions, and export crucial user data for any further analyses. The user console lets individuals access their assigned LMS, view their progress, and engage in LM-specific discussions.

## Easy-to-use interface

Navigation and access functions within the administrative and user consoles are designed so that you can focus on what truly matters: your users and their skills improvement. Navigation is simple and intuitive, while functionalities are comprehensive yet clearly indicated. Clinical Odyssey for Organizations

also includes an extensive help section, letting you find answers to any questions you might have quickly and easily.

## Flexible group and course setup

Users can be organized and managed under groups, while LMS can be organized and managed under courses. This way, a group can then be assigned to one or more courses, simplifying how you keep track of what users are accessing which content. Groups and courses can be named however you want, updated regularly, and retired, ensuring that they match your organization's evolving administrative structures.

## Performance analytics

Five pre-set reports provide in-depth understanding of users' learning progress:

- **Group performance (aggregated):** for analyzing the performance of a user group as a whole, in a specific course; with results listed per LM.
- **Group performance (disaggregated):** for analyzing the performance of individual users with a specific LM, in a defined group and course; with results listed per user.
- **User performance:** for analyzing the performance of a single user with a specific LM; with results listed per course.
- **LM performance (aggregated):** for analyzing how a specific LM in a course has been answered by users (in a group, or by the entire user body); with results listed per LM decision point.
- **LM performance (disaggregated):** for analyzing how a single user has answered a specific LM in a course; with results listed per LM decision point.



## Extended analytics

Real-time system use data is available for when you want to understand users' interactions with Clinical Odyssey for Organizations in depth and its overall cost-effectiveness:

- Geographic access points (country, region, and city);
- timestamps for all events;
- counts for system uses;
- counts for LMs selected for preview (whether played or not);
- counts for LMs started (whether finished or not);
- counts for LMs completed (whether with or without a final score);
- counts for LMs played (overall and at any point in time);
- counts for LM results screens viewed;
- counts for LM explanation screens viewed;
- counts for LM discussions viewed;
- counts for LM decision points viewed (for scenarios only);
- counts for LM decision points skipped (for scenarios only)

# Quality Assurance

Discover what makes our case studies, scenarios, reference articles, and MCQs reliable learning resources for healthcare professionals worldwide.

The titles offered under Clinical Odyssey for Organizations are carefully designed to meet strict medical, didactical, technological, and user experience specifications that maximize their learning effectiveness. Read more to discover what makes every Clinical Sense adventure scenario, Explain Medicine reference article, Prognosis: Your Diagnosis case study, and QBank Prepper MCQ a reliable learning publication for healthcare professionals worldwide.

## A creative process built on meticulous attention to detail

In Clinical Odyssey for Organizations, new learning modules (LMs) are published regularly while existing LMs are updated regularly as well. LMs are written in-house by our team of experienced and carefully-vetted clinicians, and peer-reviewed by one or more members of our International Medical Board (the MJ IMB). IMB members are experienced professionals accredited by the governing body in their country of practice, or senior specialist

trainees enrolled in a fully accredited medical academic program.

Creating an LM takes plenty of attention to detail and lots of practice. The process consists of five stages, each with one or more quality checks to ensure that the work we do is of the highest standard. Additionally, three of our five creation stages are purely about quality control:

- draft writing
- compliance reviews (CRs)
- editorial review
- International Medical Board (IMB) review
- final approval

At Medical Joyworks, a CR consists of an exhaustive set of criteria used to revise and evaluate our authors' work. For instance, the CR for an Explain Medicine reference article—the smallest of our LM types—covers 43 criteria split across three categories: structural, text, and medical quality. All LMs must attain a perfect CR score of 100% before they can advance to the next creation stages.

An LM's editorial review is done by Medical Joyworks's editor-in-chief. This inspection ensures that the LM's CR didn't miss anything. Our editor-in-chief also helps guarantee that the LM's tone and style are consistent with those found across all of our publications.

The IMB review is a peer-review process validating the realistic nature and academic quality of our work. We like to view our LMs as a form of scholarly publication with real-life applications. Therefore, we uphold their quality and validity as such with the help of our IMB members. There are more than 180 recognized specialist physicians from around

the world in our IMB Program. These professionals are actively working in academia, government, and industry; and one or more may be involved in revising a single LM.

In the final approval stage, LMs are revised one more time by our team to ensure that all inputs, edits, and corrections have been taken into account. If something is not right, we will fix the problem immediately. We will also assess (then and there) the root cause of the problem identified, taking whatever steps necessary to make certain that the same mistake is not repeated later.

## **Discussion boards, customer support, and continuous improvements**

Ensuring the quality of our LMs goes well beyond the process of creating them. In fact, we conduct periodic reviews of our content to certify that they are accurate, up to date, and complete.

Moreover, every conversation with you in discussion boards, product reviews, emails, and calls is used to assess our work's effectiveness. We carefully analyze these interactions to determine whether an LM is delivering as promised, including whether your users can understand it fully. If something is not right, we will acknowledge it and resolve it immediately. We will also determine the root cause of the issue, taking whatever steps necessary so that the same mistake is not repeated later.

With a team of physicians, specialists, language experts, programmers, and production engineers behind all of our work, it is no wonder that you can always rely on our different titles and their library of LMs!

# Pricing

Clinical Odyssey for Organizations charges for the number of active end users (students, physicians, other HCPs) during any month, and any optional features and customizations you choose to include. Billing and payment options are flexible, helping your organization quickly secure a return on its investment.

## Pricing details

You are charged for the number of active end users within a 30 day cycle, irrespective of which learning modules or other product functions and features have been accessed by your end users. This calculation is done by counting the unique end user accounts that are active within a 30 day cycle. Cycles commence on the first day that you begin using the product. Cycles with no active users will not be billed, unless your billing and payment options state otherwise.

There are no charges for administrator accounts, faculty accounts, the cloud-based administrative console, MJ physician-managed discussion boards (where our clinical answers questions posted by your end users), end user performance analytics queries, new content or existing content updates, helpdesk services for technical inquiries, or how-to documentation providing guidance for using the product.

## Additional costs (optional)

Deployments on a server belonging to your organization, integrations into your learning management system (LMS), content recommendations for particular course or training curricula, in-person assistance for initial group or course setup, in-person

assistance for learning to use the product, or organization-specific customizations are billed at standard MJ hourly service rates.

## Rates

### Per active end user

- Each active end user: **variable, and quoted monthly or yearly.** Organizations with 250 or more end users may be eligible for discounts.

### Additional costs (optional)

- Integration into your institution's LMS: starting at **\$4,400.**
- In-person assistance for initial group/course setup (for customers using the cloud-based administrative console): starting at **\$2,200.00.**
- In-person assistance for learning to use the product (for customers using the cloud-based administrative console): starting at **\$2,200.00.**
- Deployment on a server belonging to your organization: starting at **\$4,400.00.**
- Content recommendations for course or training curricula: starting at **\$2,200.00.**

## Billing options

Your organization may choose to pay Medical Joyworks directly; or have your end users pay Medical Joyworks directly; or do a mix of both.

# Privacy and security

We take considerable care of respecting the personal data privacy and security of all our users. Below are just some of the things we do to ensure your privacy and security:

- Secured using SSL (RSA 4096 bits).
- FERPA Compliant.
- GDPR Compliant.
- All credit card payments (when end users pay directly to Medical Joyworks) are managed via Stripe. Stripe is a PCI Service Provider Level 1.

# Authors

Every scenario is written in-house by our team of clinicians. Below are the names and backgrounds of each individual who has authored one (or more) of our scenarios.

## Hilal Abdessamad MD

Dr. Abdessamad is a senior resident in internal medicine at the Lebanese American University Medical Center, in Beirut. He has published several peer-reviewed research publications in the field of oncology; and serves as a freelance medical writer, focusing on professional audiences. Dr. Abdessamad holds a BS in Medical Laboratory Sciences and received his MD from the University of Balamand (all institutions from Lebanon).

## Dinuka Ariyaratne MBBS MS

Dr. Ariyaratne is a PhD candidate in Immunology at the University of Sri Jayewardenepura, in Sri Lanka. She also holds a MSc in Cellular and Molecular Immunology from the University of Colombo. Prior to her research career, she worked in the Hematology and Nephrology units of the National Hospital of Sri Lanka. Dr. Ariyaratne received her MBBS from the University of Sri Jayewardenepura, in Sri Lanka.

## Afkar Aulia MD MS

Dr. Aulia is a senior resident in psychiatry at Universitas Gadjah Mada (UGM), in Indonesia; and a lecturer in psychiatry at the Faculty of Medicine, Public Health and Nursing, UGM. Dr Aulia's areas of interest include community mental healthcare provision, telepsychiatry, and psychogeriatrics. He obtained his MD from UGM, and an MSc in Clinical Medical Science from UGM.

## Andrea Boutros MD

Dr. Boutros is a resident in medical oncology at the Teaching Hospital of the University of Genoa, in Italy. He also conducts research on immunotherapy for skin cancer, at the Skin Cancer Unit of the Policlinico San Martino Hospital. Along with his clinical work, Dr. Boutros serves as a freelance medical writer targeting professional audiences. He received his M.D. with honors from Genoa University.

## Neil Chavarría MD

Dr. Chavarría is an aspiring internal medicine physician, having worked part-time as a medical writer throughout his medical studies. Dr. Chavarría graduated from the Universidad de Iberoamérica in San José, Costa Rica. He has achieved certification from the American Education Commission of Foreign Medical Graduates (ECFMG), after completing the United States Medical Licensing Examination (USMLE).

## Obinna Chukwuka MBBS

Dr. Chukwuka is a resident in internal medicine at the University of Nigeria Teaching Hospital, in Ituku-Ozalla, where he aims to subspecialize in either pulmonology or nephrology down the line. Previously, Dr. Chukwuka served as the acting medical director of a rural hospital. He received his MBBS from the College of Medicine, University of Nigeria.

## Branka Donevska MD

Dr. Donevska is a resident at Echuca Regional Health in Victoria, Australia. Prior to her residency, she spent more than 2 years working for the professional development unit



at Eastern Health, one of Melbourne's largest health care services. Dr. Donevska was born and raised in North Macedonia, graduated from St. Petersburg Pavlov State Medical University, in Russia; and specialized in Obstetrics & Gynaecology in Moscow.

## **Yi Chao Foong MBBS**

Dr. Foong is a neurology advanced trainee at Barwon Health in Victoria, Australia. He attended University of Tasmania graduating with first class honours; and has published several peer-reviewed publications and presented at numerous international and national scientific conferences. Dr. Foong was a clinical lecturer at the University of Tasmania. He is also on the editorial board for The Journal of Sports Medicine and Physical Fitness, and remains actively involved in medical education.

## **Ernesto Lopez MD**

Dr. Lopez is a lecturer in basic sciences at the Metropolitan University of Antigua, with additional experience as a medical educator for universities and medical student organizations throughout the Caribbean. Dr. Lopez received his MD with honors from the Universidad Nacional Pedro Henríquez Ureña, in the Dominican Republic. He also achieved certification from the American Education Commission of Foreign Medical Graduates (ECFMG), and will be pursuing a residency in internal medicine in the United States.

## **Ciaran Mooney MSc FRCPATH**

Mr. Mooney is a clinical scientist at the Rotunda Hospital, in Dublin, with 18 years of experience in haematology and transfusion medicine; and working in the private and public health sectors of Australia, Ireland, UK, and the United States. He has been a lecturer at the Dublin Institute of Technology and has

also created medical educational apps for the iOS and Android platforms. In addition, he is an active member of the British Standards of Haematology (BSH) steering committee, involved in numerous guideline updates. Mr. Mooney holds a FRCPATH in Clinical Science and Haematology, a MSc in Tropical Medicine from James Cook University, and a basic degree in medical sciences from the University of Tasmania.

## **Ana Sofia Pessoa MMed**

Dr. Pessoa is an internist with an interest in geriatric medicine and clinical nutrition. She has done a rotation in geriatric medicine at Oxford University, and has participated as a lecturer on various subjects of clinical nutrition throughout multiple conferences. Dr. Pessoa holds a Bachelor and Master of Science in Medicine from the Faculty of Medicine of the University of Porto, in Portugal.

## **Jordan G Roberts PA-C**

Mr. Roberts is a CME medical writer, a neuroscience clinician with experience in neurosurgery and psychiatry, and an entrepreneur. Mr. Roberts is the CEO of Modern MedEd, has published multiple papers exploring the long-term effects of traumatic brain injury, and has spoken at regional and national conferences on the topic. He holds a Master of Science from the New York Institute of Technology PA (physician assistant) program and is the chair of the CME committee for the Illinois Academy of PAs.

## **Stanley Sack MD FAAP**

Dr. Sack has over 30 years of experience as a general pediatrician. While practicing medicine part-time, he also works as a freelance medical writer for professional and lay audiences, and is the Senior Editor of Medical Joyworks, LLC. Dr. Sack is a former

community faculty member at the University of Massachusetts Medical School, and completed his undergraduate education at Dartmouth College. In addition, he received his M.D. at Hahnemann University and completed his pediatric residency at Tulane University Affiliated Hospitals (all institutions in the United States of America).

## **Nayana Somaratna MBBS**

Dr Somaratna is the CEO and Co-Founder of Medical Joyworks, LLC, with almost 20 years of entrepreneurship and business experience. In 2015 he created Clinical Sense, leading the design and development of its technology, and authoring many of its first clinical scenarios. Dr. Somaratna holds a MBBS from the University of Kelaniya, and a Bachelor of Information Technology (Honors) degree from the University of Colombo (all institutions in Sri Lanka).

## **Phalguni Srivastava MBBS**

Dr. Phalguni is a senior trainee in anesthesia at Swami Dayanand Hospital, New Delhi. Prior to entering postgraduate training, she worked in the Kamad Polyclinic and Trauma Center for 3 years. Dr. Phalguni received her MBBS from the Himalayan Institute of Medical Sciences, in Dehradun, India.

## **Ahmad Abu Srouer MD**

Dr. Abu Srouer is a urologist at the Damascus University Hospital, in Syria. Previously, he was a general practitioner for over 6 years. Dr. Abu Srouer has a strong interest in medical education and has written medical articles for professional audiences. Dr. Abu Srouer received his MD from Damascus University.

## **Isuri Wimalasiri MBBS**

Dr. Wimalasiri is a lecturer at the Faculty of Medicine, General Sir John Kotelawela Defence University, in Sri Lanka. She also is pursuing her MD in psychiatry at the Postgraduate Institute of Medicine, Colombo. In her free time, Dr. Wimalasiri works as a freelance medical writer for professional audiences. She won the Dr. Bobby Somasundaram Gold Medal for the most outstanding performance in the MD (Psychiatry) selection exam in 2018, and her research studies have been published both locally and internationally. Dr. Wimalasiri is a member of the ethics committee of Sri Lanka Medical Association. She received her MBBS from the University of Sri Jayewardenepura, in Sri Lanka.

# International Medical Board

Every scenario is peer reviewed by one or more members of our International Medical Board (IMB). IMB members are experienced professionals accredited by the governing body in their country of practice, or senior specialist trainees enrolled in a fully accredited medical academic program.

Below are the names and backgrounds of our International Medical Board members.

## Allergy & Immunology

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### **Dr. Emanuele Vivarelli, MD Allergy & Clinical Immunology Fellow**

Consultant Physician

*Careggi Hospital, Florence, Italy*

## Cardiology

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### **Dr. Amer Ali Bilal Hamed, MBChB MSc**

Locum Consultant Cardiologist

*Interact Medical Locum Agency, Swansea, United Kingdom*

### **Dr. George Bazoukis, MD MSc**

Resident in Cardiology

*Evangelismos Hospital, Athens, Greece*

### **Dr. Gilberto Moschetta**

Attending Physician

*Sociedade Médica São Marcos, São Marcos, Brazil*

### **Dr. Hassan Aghajani, MD FSCAI**

Assistant Professor

*Tehran University of Medical Sciences, Tehran, Iran*

### **Dr. Ian Goh, MBBS**

Cardiology Research Fellow

*University Hospital Geelong, Geelong, Australia*

### **Dr. Mahmoud Ahmed Tantawy, MD FACC FESC**

Consultant Cardiologist

*Misr University for Science and Technology, Giza Governorate, Egypt*

### **Dr. Mishal Hussein Mahgoub Hassan, MBBS MSc**

Lecturer

*Almadain College of Medical Sciences and Technology & Alshaab teaching hospital, Khartoum, Sudan*

### **Dr. Muhammad Sani Isa, MBBS FWACP**

Consultant Cardiologist

*Abuth Zaria University, Zaria, Kaduna State, Nigeria*

### **Dr. Thacker Meet, MBBS MD**

Senior Resident in Cardiology

*Sri Jayadeva Institute of Cardiovascular Sciences and Research, Bangalore, India*

## Clinical Pathology

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### **Prof. Geethanjali Bhas, MBBS MD Associate RCPATH (UK) MBA (Healthcare Management)**

Head of Department, Associate Professor of Pathology

*Tagore Medical College, Bangalore, India*

### **Dr. Hafsa Majid, MBBS FCPS (Chemical Pathology)**

Consultant Chemical Pathologist and Senior Instructor

*Aga Khan University, Karachi, Pakistan*

### **Dr. Konstantin Bräutigam, MD**

Resident

*Uni Bern, Bern, Switzerland*

**Dr. Libin Babu Cherian, MD DNB**

Assistant Professor

*PK Das Medical College, Kerala, India*

**Prof. Shashidhar Venkatesh Murthy, BSc MBBS MD MBA**

Associate Professor & Head of Pathology

*James Cook University - Townsville Campus, Townsville, Australia*

## Critical Care Medicine

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**Dr. Adel Alsaied, MBBCh MD medicine**

Intensive Registrar

*OHUD Hospital (MOH), Madina, Saudi Arabia*

**Dr. Anita Charochak, DO**

Specialist in Critical Care

*Metro Health-University of Michigan, Michigan, United States*

**Prof Giacomo Tenze, MD**

Resident MD

*Policlinico Universitario di Tor Vergata, Trieste, Italy*

**Dr. Guido Consolmagno,**

Resident

*Careggi Hospital, Florence, Italy*

**Dr. Maab Ali, Clinical MD**

Registrar of Anaesthesia and ICU

*Teaching Hospitals, Khartoum city, Sudan*

**Dr. Milap Thakrar, MD (Internal Medicine)**

Consulting Physician and Intensivist

*Sadbhavna Hospital, Rajkot, India*

**Dr. Nishant Rajadhyaksha, MBBS**

Resident Anaesthesiology

*National Board of Education, Pune, India*

**Dr. Parantap Trivedi, MD**

Resident in Anaesthesiology

*Govt. Medical College and Sir T Hospital, Bhavnagar, India*

**Dr. Roshana Mallawaarachchi, MBBS MD**

Senior Registrar in Anesthesiology

*Kandy Teaching Hospital, Kandy, Sri Lanka*

**Dr. Valeria Starace**

Anestesista-Rianimatore

*Aurelia Hospital, Rome, Italy*

**Dr. Vitrag Shah, MBBS MD FNB**

Consultant Intensivist

*Kiran Multi Super Speciality Hospital & Research Center, Surat, India*

## Dermatology

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**Dr. Bijjo Raju, MBBS DDVL FHM**

Consultant Dermatologist

*Shanthi Social Services Medical Centre, Coimbatore, India*

**Dr. Ivette Soto, MD**

Resident of Dermatology

*Edgardo Rebagliati Martins Hospital, Lima, Perú*

**Dr. Rahul Tripathi, MBBS DNB**

Resident

*GMERS Medical College and Civil Hospital, Gandhinagar, India*

**Dr. Silvan Frangaj, MD**

Consultant Dermatologist

*Shkoder Regional Hospital, Shkoder, Albania*

## Diagnostic Radiology

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**Dr. Simina Apostol, MD**

Resident in Radiology

*Clinical Institute Fundeni, Bucharest, Romania*

## Emergency Medicine

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**Dr. Andrea Almeida Reis, MBBS MBA MSc**

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## Endocrinology

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## Family Medicine

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## Gastroenterology

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## General Surgery

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## Geriatric Medicine

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## Hematology

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## Infectious Disease

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## Medical Oncology

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## Nephrology

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## Neurological Surgery

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## Neurology

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## Obstetrics & Gynecology

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## Ophthalmology

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## Oral & Maxillofacial Surgery

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## Orthopedic Surgery

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## Pediatrics

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## Physical Medicine & Rehabilitation

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## Psychiatry

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## Pulmonary Disease

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## Rheumatology

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## Sports Medicine

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## Urology

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## Vascular Surgery

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# Learning Module Directory

## Medicine

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**MCQ-M-015: ACE inhibitors, adverse effects**  
Cardiovascular Diseases

**CS-M-005: Acidosis**  
Emergency Medicine, Medical Toxicology, Diabetes, Critical Care Medicine

**PD-M-187: Acoustic Neuroma**  
Neurology

**PD-M-270: Acrokeratosis Paraneoplastica**  
Dermatology

**PD-M-238: Acromegaly**  
Endocrinology

**CS-M-073: Acromegaly**  
Endocrinology

**PD-M-105: Acute Cholangitis**  
Gastroenterology

**PD-M-148: Acute Encephalitis**  
Emergency Medicine, Infectious Disease, Neurology

**PD-M-117: Acute Intermittent Porphyrria**  
Hematology

**EM-M-010: Acute kidney injury**  
Nephrology

**CS-M-024: Acute Kidney Injury, Djenkolism**  
Medical Toxicology, Nephrology

**PD-M-258: Acute Liver Failure**  
Gastroenterology

**PD-M-244: Acute Mercury Poisoning**  
Emergency Medicine

**PD-M-116: Acute Myeloid Leukemia**  
Hematology, Hematology/Oncology

**CS-M-058: Acute myeloid leukemia, pregnancy**  
Hematology/Oncology, Obstetrics

**EM-M-012: Acute pyelonephritis**  
Nephrology

**PD-M-193: Acute Respiratory Distress Xn**  
Pulmonary Disease

**PD-M-069: Acute Respiratory Failure**  
Emergency Medicine, Pulmonary Disease

**PD-M-016: Adrenal Crisis**  
Emergency Medicine, Endocrinology

**EM-M-004: Adrenal Crisis**  
Endocrinology

**CS-M-074: Advanced Cardiovascular Life Support**  
Cardiovascular Diseases

**CS-M-075: Advanced Cardiovascular Life Support**  
Emergency Medicine

**CS-M-068: Alcohol Use Disorder**  
Addiction Medicine, Internal Medicine

**PD-M-086: Alcoholic Hepatitis**  
Gastroenterology

**MCQ-M-016: Alpha blockers, adverse effects**  
Cardiovascular Diseases

**PD-M-050: Amebic Liver Abscess**  
Infectious Disease, Gastroenterology



**MCQ-M-017: Amphetamine, adverse effects**

Cardiovascular Diseases

**PD-M-250: Angiostrongyliasis**

Infectious Disease

**PD-M-079: Anismus**

Gastroenterology

**PD-M-179: Ankylosing Spondylitis**

Rheumatology

**PD-M-144: Anthrax, Cutaneous**

Infectious Disease, Dermatology

**CS-M-070: Anticoagulant-Related Bleeding**

Hematology

**PD-M-125: Antiphospholipid Syndrome**

Neurology, Rheumatology, Immunology,  
Hematology, Vascular Neurology

**PD-M-162: Aortic Dissection**

Emergency Medicine

**PD-M-218: Aortic Stenosis**

Cardiovascular Diseases

**PD-M-119: Aplastic Anemia**

Hematology

**CS-M-003: Arrhythmogenic Right  
Ventricular Cardiomyopathy**

Cardiac Electrophysiology

**PD-M-129: Aspergilloma**

Infectious Disease, Pulmonary Disease

**PD-M-151: Asthma**

Emergency Medicine, Pulmonary Disease

**EM-M-014: Asymptomatic Bacteriuria**

Infectious Disease, Urology

**CS-M-050: Atrial Fibrillation**

Cardiac Electrophysiology

**MCQ-M-001: Atrial fibrillation**

Cardiac Electrophysiology

**CS-M-069: Atrial Fibrillation**

Cardiovascular Diseases

**EM-M-018: Atrial fibrillation**

Cardiac Electrophysiology, Internal Medicine

**PD-M-152: Atrial Fibrillation**

Emergency Medicine, Cardiac Electrophysiology

**MCQ-M-002: Atrial flutter**

Cardiac Electrophysiology

**PD-M-170: Atrial Myxoma**

Emergency Medicine, Cardiovascular Diseases

**PD-M-264: Atrial Myxoma**

Cardiovascular Diseases

**PD-M-220: Atrial Septal Defect**

Cardiovascular Diseases

**MCQ-M-021: Atrioventricular block (1st,  
2nd, 3rd degree)**

Cardiac Electrophysiology

**MCQ-M-003: Atrioventricular block, 1st  
degree**

Cardiac Electrophysiology

**PD-M-121: Autoimmune Hemolytic Anemia**

Immunology, Hematology

**PD-M-253: Babesiosis**

Infectious Disease

**CS-M-063: Basal cell carcinoma**

Dermatology

**CS-M-066: Basic Life Support**

Emergency Medicine, Cardiovascular Diseases

**PD-M-153: Basilar Migraine**

Emergency Medicine, Neurology

**PD-M-154: Bell's Palsy**  
Emergency Medicine, Neurology

**CS-P-006: Beta Thalassemia**  
Hematology, Bloodbanking/Transfusion Medicine

**PD-M-245: BK Virus Nephropathy**  
Nephrology

**PD-M-038: Botulism**  
Infectious Disease

**CS-M-078: Bronchiectasis**  
Pulmonary Disease

**PD-M-036: Bronchiectasis, Kartagener Xn**  
Pulmonary Disease

**PD-M-147: Brucellosis**  
Infectious Disease

**PD-M-155: Brugada Syndrome**  
Emergency Medicine, Cardiac Electrophysiology

**PD-M-032: Budd-Chiari Syndrome**  
Gastroenterology

**PD-M-112: Burkitt's Lymphoma**  
Hematology, Hematology/Oncology

**MCQ-M-018: Calcium channel blockers, adverse effects**  
Cardiovascular Diseases

**PD-M-067: Calcium Pyrophosphate Deposition Disease**  
Rheumatology

**PD-M-064: Cannabinoid Hyperemesis Syndrome**  
Emergency Medicine, Medical Toxicology

**CS-M-043: Cardiac Tamponade**  
Cardiovascular Diseases

**EM-M-024: Cardiac tamponade**  
Cardiovascular Diseases

**PD-M-084: Cardiac Tamponade**  
Emergency Medicine, Cardiovascular Diseases

**PD-M-182: Carpal Tunnel Syndrome**  
Neurology, General Surgery

**CS-M-037: Cat-scratch Disease**  
Infectious Disease

**PD-M-236: Cavernous Sinus Thrombosis, Septic**  
Neurology

**PD-M-106: Celiac Disease**  
Gastroenterology

**CS-M-051: Celiac Disease**  
Gastroenterology, Clinical Lab Immunology & Allergy

**CS-M-036: Cellulitis**  
Infectious Disease

**CS-M-001: Cellulitis**  
Infectious Disease, Diabetes

**PD-M-004: Cerebral Venous Thrombosis**  
Neurology

**PD-M-040: Cervical Spondylotic Myelopathy**  
Neurology

**PD-M-259: Chagas Disease**  
Infectious Disease

**PD-M-023: Chancroid**  
Infectious Disease

**PD-M-209: Chlamydia**  
Infectious Disease

**PD-M-115: Chronic Lymphocytic Leukemia**  
Hematology

**PD-M-113: Chronic Myeloid Leukemia**  
Hematology, Hematology/Oncology

**CS-M-014: Chronic Obstructive Pulmonary Disease**

Pulmonary Disease, Geriatric Medicine-IM

**EM-M-034: Chronic Obstructive Pulmonary Disease**

Pulmonary Disease

**PD-M-215: Chronic Stable Angina**

Cardiovascular Diseases

**PD-M-099: Chylothorax**

Pulmonary Disease

**PD-M-180: Cluster Headache**

Neurology

**PD-M-224: Coarctation Of The Aorta**

Cardiovascular Diseases

**MCQ-M-019: Cocaine toxicity**

Cardiovascular Diseases

**CS-M-022: Cocaine Use**

Medical Toxicology, Addiction Medicine, Addiction Psychiatry

**PD-M-089: Cocaine-associated Chest Pain**

Cardiovascular Diseases

**PD-M-185: Common Peroneal Nerve Palsy**

Neurology

**PD-M-195: Community Acquired Pneumonia**

Infectious Disease, Pulmonary Disease

**CS-M-007: Community-Acquired Pneumonia**

Infectious Disease, Family Practice

**MCQ-M-005: Congestive heart failure**

Cardiovascular Diseases

**PD-M-225: Constrictive Pericarditis**

Cardiovascular Diseases

**PD-M-191: COPD**

Pulmonary Disease

**MCQ-M-006: Cor pulmonale**

Cardiovascular Diseases

**PD-M-080: Corrosive Ingestion**

Emergency Medicine, Gastroenterology, General Surgery

**EM-M-028: COVID-19**

Immunology

**PD-M-035: Crohn's Disease**

Gastroenterology

**CS-M-004: Crohn's Disease**

Infectious Disease, Gastroenterology, Immunology

**PD-M-265: Cryoglobulinemia**

Immunology

**EM-M-033: Cryptococcosis**

Infectious Disease, Neurology

**PD-M-134: Cryptosporidiosis**

Infectious Disease, Pediatrics

**PD-M-234: Cushing's Disease**

Endocrinology

**PD-M-054: Cutaneous Leishmaniasis**

Infectious Disease, Dermatology

**CS-M-002: Deep vein thrombosis**

Emergency Medicine

**CS-M-072: Delirium, infection-induced**

Infectious Disease, Geriatric Medicine-IM, Geriatric Psychiatry

**EM-M-030: Dementia with Lewy Bodies**

Neurology, Geriatric Medicine-IM, Psychiatry, Geriatric Psychiatry, Internal Medicine

**PD-M-066: Dengue**

Infectious Disease

**PD-M-093: Dengue Myocarditis**

Infectious Disease, Cardiovascular Diseases

**CS-M-015: Dengue Shock Syndrome**

Infectious Disease, Critical Care Medicine

**PD-M-041: Diabetes Insipidus**

Endocrinology

**EM-M-023: Diabetic Foot Disease**

Endocrinology, General Surgery

**EM-M-019: Diabetic ketoacidosis**

Endocrinology

**CS-M-016: Diabetic ketoacidosis**

Emergency Medicine, Diabetes

**PD-M-233: Diabetic Ketoacidosis, Adult**

Emergency Medicine, Endocrinology

**EM-M-003: Diabetic Kidney Disease**

Endocrinology, Nephrology

**PD-M-200: Diabetic Nephropathy**

Endocrinology, Nephrology

**CS-M-042: Diabetic Nephropathy**

Emergency Medicine, Cardiovascular Diseases, Nephrology, Hematology, Diabetes

**PD-M-205: Diabetic Retinopathy**

Endocrinology

**PD-M-061: Diabetic Thoracic Radiculoneuropathy**

Endocrinology, Neurology

**CS-M-059: Diarrhea**

Infectious Disease, Family Practice

**CS-M-060: Diarrhea, Developing Setting**

Infectious Disease, Family Practice

**MCQ-M-007: Diastolic dysfunction**

Cardiovascular Diseases

**PD-M-025: Digoxin Toxicity, Chronic**

Emergency Medicine, Cardiovascular Diseases, Geriatric Medicine-IM

**MCQ-M-010: Dilated cardiomyopathy**

Cardiovascular Diseases

**PD-M-226: Dilated Cardiomyopathy**

Cardiovascular Diseases

**EM-M-001: Dilated cardiomyopathy**

Cardiovascular Diseases

**PD-M-063: Disseminated Intravascular Coagulation**

Emergency Medicine, Hematology

**PD-M-206: Distal Symmetric Polyneuropathy**

Endocrinology, Neurology

**CS-M-026: Dog Bite**

Emergency Medicine, Infectious Disease, Immunology

**CS-M-033: Drug Interactions**

Emergency Medicine, Cardiovascular Diseases, Hematology

**PD-M-229: Dubin-Johnson Syndrome**

Gastroenterology

**CS-M-053: Elderly care**

Geriatric Medicine-IM, Family Practice, Geriatric Medicine-FP

**PD-M-073: Emphysematous Pyelonephritis**

Nephrology

**EM-M-036: Eosinophilic Esophagitis**

Gastroenterology

**PD-M-263: Eosinophilic Granulomatosis With Polyangiitis**

Immunology

**PD-M-011: Esophageal Rupture**

Emergency Medicine, General Surgery

**PD-M-183: Essential Tremor**

Neurology

**PD-M-020: Exercise Induced Hyponatremia**  
Emergency Medicine

**PD-M-273: Exocrine Pancreatic Insufficiency**  
Gastroenterology

**PD-M-027: Food Cobalamin Malabsorption Xn**  
Neurology

**PD-S-081: Gallbladder cancer**  
Medical Oncology, Surgical Oncology

**CS-M-054: Gastroesophageal Reflux Disease**  
Gastroenterology, Family Practice

**PD-M-204: Gestational Diabetes Mellitus**  
Obstetrics & Gynecology, Endocrinology, Diabetes

**PD-M-167: Giant Cell Arteritis**  
Emergency Medicine

**CS-M-044: Giant Cell Arteritis**  
Infectious Disease, Cardiovascular Diseases,  
Neurology, Rheumatology, Geriatric Medicine-IM

**EM-M-007: Giant cell arteritis**  
Rheumatology

**PD-M-138: Giardiasis**  
Infectious Disease

**PD-M-074: Glanzmann's Thrombasthenia**  
Hematology

**PD-M-267: Glioblastoma Multiforme**  
Neurology

**PD-M-274: Glucagonoma**  
Endocrinology

**PD-M-111: Glucose-6-phosphate Dehydrogenase(G6PD) Deficiency**  
Hematology

**PD-M-197: Goodpasture Syndrome**  
Pulmonary Disease, Immunology, Nephrology

**PD-M-175: Gout**  
Rheumatology

**CS-M-046: Gout**  
Rheumatology, Geriatric Medicine-IM

**PD-M-212: Granuloma Inguinale**  
Infectious Disease

**PD-M-243: Graves' Disease**  
Endocrinology

**PD-M-031: Guillain-Barre Syndrome**  
Neurology

**CS-M-065: Guillain-Barré Syndrome**  
Neurology

**PD-M-096: Hashimoto's Thyroiditis**  
Endocrinology

**PD-M-217: Heart Failure**  
Cardiovascular Diseases

**MCQ-M-008: Heart failure secondary to myocardial infarction**  
Cardiovascular Diseases

**CS-M-032: Heart Failure, post-MI**  
Cardiovascular Diseases

**PD-M-010: Heat Stroke**  
Emergency Medicine

**CS-M-021: Heat Stroke**  
Emergency Medicine, Critical Care Medicine

**EM-M-013: Heatstroke and sunstroke**  
Emergency Medicine

**CS-M-006: Hemodialysis**  
Nephrology, Critical Care Medicine

**PD-M-043: Heparin Induced Thrombocytopenia**  
Emergency Medicine, Hematology

**EM-M-027: Hepatic Echinococcosis**

Gastroenterology

**PD-M-228: Hepatic Encephalopathy**

Gastroenterology

**PD-M-053: Hepatitis C With MPGN**

Infectious Disease, Nephrology

**PD-M-108: Hepatocellular Carcinoma**

Gastroenterology, Medical Oncology

**PD-M-005: Hepatopulmonary Syndrome**

Gastroenterology, Pulmonary Disease

**PD-M-257: Hepatorenal Syndrome**

Gastroenterology

**PD-M-060: Hereditary Hemochromatosis**

Endocrinology

**EM-M-035: Herpes Simplex Encephalitis**

Infectious Disease

**PD-M-275: Heyde's Syndrome**

Cardiovascular Diseases

**CS-M-012: High Altitude Sickness**

Emergency Medicine, Pulmonary Critical Care Medicine

**MCQ-M-009: High-output heart failure, anemia**

Cardiovascular Diseases

**PD-M-268: Hirschsprung Disease**

Gastroenterology

**CS-M-062: HIV Infection**

Infectious Disease

**PD-M-130: HIV/AIDS**

Infectious Disease

**PD-M-128: Hodgkin's Lymphoma**

Hematology, Hematology/Oncology

**PD-M-211: Human Papillomavirus**

Infectious Disease

**PD-M-237: Hydatid Cyst, Traumatic Rupture**

Infectious Disease, Gastroenterology

**CS-M-028: Hydatid Liver Disease**

Infectious Disease

**PD-M-013: Hypercalcemia, Severe**

Emergency Medicine, Endocrinology

**PD-M-199: Hyperosmolar Hyperglycemic State**

Emergency Medicine, Endocrinology

**PD-M-097: Hyperprolactinemia**

Endocrinology

**CS-M-039: Hypersensitivity pneumonitis**

Pulmonary Disease, Immunology

**PD-M-223: Hypertensive Emergency**

Emergency Medicine, Cardiovascular Diseases

**MCQ-M-011: Hypertensive heart disease, LVH**

Cardiovascular Diseases

**PD-M-107: Hypertriglyceridemia**

Endocrinology

**PD-M-156: Hypertrophic Cardiomyopathy**

Emergency Medicine, Cardiovascular Diseases

**PD-M-009: Hypoglycemia, Insulinoma**

Endocrinology

**PD-M-231: Hypoparathyroidism**

Endocrinology

**CS-M-013: Hypotension**

Medical Toxicology

**CS-M-052: Idiopathic Intracranial Hypertension**

Endocrinology, Neurology



**PD-M-006: Idiopathic Pulmonary Fibrosis**

Pulmonary Disease

**PD-M-070: Idiopathic Pulmonary Hemosiderosis**

Pulmonary Disease, Pediatrics

**PD-M-037: IgA Nephropathy**

Immunology, Nephrology

**PD-M-110: Immune Thrombocytopenia**

Immunology, Hematology

**CS-M-010: Immune thrombocytopenia**

Immunology, Hematology, Obstetrics, Neonatal-Perinatal Medicine

**PD-M-252: Infectious Intracranial Aneurysm**

Emergency Medicine, Cardiovascular Diseases

**PD-M-002: Infective Endocarditis**

Infectious Disease, Cardiovascular Diseases

**CS-M-029: Infective Endocarditis**

Emergency Medicine, Cardiac Electrophysiology

**CS-M-049: Infective Endocarditis, Right-Sided**

Infectious Disease, Cardiovascular Diseases

**PD-M-003: Internal Carotid Artery Dissection**

Emergency Medicine, Vascular Surgery

**PD-M-123: Iron Deficiency Anemia**

Hematology

**PD-M-082: Ischemic Colitis**

Gastroenterology, Colon & Rectal Surgery

**PD-M-165: Lactic Acidosis, Metformin Induced**

Emergency Medicine

**PD-M-015: Lambert-Eaton Myasthenic Syndrome**

Neurology, Immunology

**CS-M-047: Lassa Fever**

Infectious Disease

**PD-M-157: Lateral Medullary Syndrome**

Emergency Medicine, Neurology

**MCQ-M-004: Left bundle branch block**

Cardiac Electrophysiology

**PD-M-146: Legionnaires Disease**

Infectious Disease, Pulmonary Disease

**EM-M-011: Legionnaires' Disease**

Infectious Disease, Pulmonary Disease

**CS-M-009: Lemierre's Syndrome**

Emergency Medicine, Infectious Disease

**PD-M-132: Leprosy**

Infectious Disease, Dermatology

**PD-M-140: Leptospirosis**

Infectious Disease

**PD-M-235: Lichen Sclerosus, Vulvar**

Dermatology

**PD-M-081: Long QT Syndrome**

Cardiac Electrophysiology

**PD-M-142: Lyme Disease**

Infectious Disease

**PD-M-210: Lymphogranuloma Venereum**

Infectious Disease

**PD-M-181: Macroadenoma, Pituitary**

Neurology

**CS-M-030: Malaria**

Infectious Disease

**EM-M-025: Malaria**

Infectious Disease

**PD-M-042: Malaria, Plasmodium Vivax**

Infectious Disease

**PD-M-033: Malignant Mesothelioma**

Medical Oncology, Pulmonary Disease

**PD-M-029: Marfan Syndrome**

Cardiovascular Diseases

**CS-G-005: Marfan syndrome**

Cardiovascular Diseases, Obstetrics, Medical Genetics

**PD-M-203: Maturity Onset Diabetes Of The Young**

Endocrinology

**CS-M-011: MDMA Toxicity**

Medical Toxicology, Addiction Medicine

**CS-M-064: Melanoma in situ**

Dermatology

**PD-M-088: Meningitis, Bacterial**

Infectious Disease, Neurology

**CS-M-019: Meningitis, Meningococcal**

Emergency Medicine, Infectious Disease, Cardiovascular Diseases, Neurology

**PD-M-163: Mesenteric Ischemia, Arterial**

Emergency Medicine, Vascular Surgery

**PD-M-171: Methanol Poisoning**

Emergency Medicine, Medical Toxicology

**PD-M-051: Migraine**

Neurology

**PD-M-068: Milk-Alkali Syndrome**

Emergency Medicine, Medical Toxicology

**PD-M-075: Miller-Fisher Syndrome**

Neurology

**PD-M-219: Mitral Regurgitation**

Cardiovascular Diseases

**EM-M-008: Mitral Regurgitation, Acute**

Emergency Medicine, Cardiovascular Diseases

**EM-M-006: Mitral Regurgitation, Chronic**

Cardiovascular Diseases

**PD-M-246: Mucosal Melanoma**

Dermatology

**PD-M-127: Multiple Myeloma**

Hematology

**EM-M-002: Multiple myeloma**

Hematology

**PD-M-158: Multiple Sclerosis**

Emergency Medicine, Neurology

**CS-M-057: Multiple Sclerosis**

Neurology, Clinical/Laboratory Immunology, Ophthalmology

**PD-M-232: Musculoskeletal Pain, Geriatric**

Rheumatology, Geriatric Medicine-IM

**CS-M-008: Musculoskeletal Shoulder Pain**

Family Practice

**PD-M-047: Myasthenia Gravis**

Emergency Medicine, Neurology

**PD-M-248: Myelofibrosis**

Hematology, Hematology/Oncology

**PD-M-048: Myocardial Infarction + LBBB**

Cardiovascular Diseases

**PD-M-001: Myocardial Infarction, Right Ventricular**

Cardiovascular Diseases

**PD-M-216: Myocardial Infarction, STEMI**

Cardiovascular Diseases

**PD-M-214: Myocardial Infarction, UA/NSTEMI**

Cardiovascular Diseases

**PD-M-149: Myocarditis, Acute**

Emergency Medicine, Infectious Disease, Cardiovascular Diseases

**PD-M-045: Myocarditis, Typhoid**  
Infectious Disease, Cardiovascular Diseases

**PD-M-012: Myxedema Coma**  
Endocrinology

**PD-M-269: Nephrotic Syndrome, Focal Segmental Glomerulosclerosis**  
Nephrology

**PD-M-049: Neurocysticercosis**  
Infectious Disease, Neurology

**CS-M-034: Neurofibromatosis**  
Neurology

**CS-M-076: Neurofibromatosis, Type 2**  
Neurology, Neurological Surgery, Clinical Genetics

**CS-M-020: Neuroleptic Malignant Syndrome**  
Emergency Medicine, Psychiatry

**PD-M-055: Neuromyelitis Optica**  
Neurology

**PD-M-098: Neuropsychiatric Systemic Lupus Erythematosus**  
Neurology, Rheumatology

**PD-M-072: Neurosyphilis**  
Infectious Disease, Neurology

**PD-M-261: Non-Alcoholic Fatty Liver Disease**  
Gastroenterology

**PD-M-192: Non-small cell lung cancer**  
Medical Oncology, Pulmonary Disease

**PD-M-058: Nonconvulsive Status Epilepticus**  
Emergency Medicine, Neurology

**PD-M-184: Normal Pressure Hydrocephalus**  
Neurology

**MCQ-M-012: Obstructive hypertrophic cardiomyopathy**  
Cardiovascular Diseases

**PD-M-198: Obstructive Sleep Apnea**  
Pulmonary Disease

**CS-M-038: Obstructive Sleep Apnea**  
Pulmonary Disease, Sleep Medicine

**EM-M-009: Obstructive sleep apnea**  
Pulmonary Disease, Internal Medicine

**EM-M-021: Opioid intoxication**  
Emergency Medicine, Psychiatry

**PD-M-177: Osteoarthritis**  
Rheumatology

**PD-M-046: Osteoporosis**  
Rheumatology

**PD-M-227: Osteoporosis, Secondary**  
Rheumatology

**PD-M-017: Ovarian Tumor, Androgenic**  
Endocrinology

**PD-M-247: Overwhelming Post-splenectomy Infection**  
Infectious Disease

**PD-M-030: P. Jiroveci Pneumonia**  
Infectious Disease, Pulmonary Disease

**PD-M-062: Pacemaker Lead Malposition**  
Cardiac Electrophysiology

**PD-M-255: Pancreatic Pseudocyst**  
Gastroenterology

**PD-M-272: Panhypopituitarism**  
Endocrinology

**MCQ-M-013: Papillary muscle rupture/dysfunction**  
Cardiovascular Diseases

**MCQ-M-022: Papillary muscle rupture/dysfunction**

Cardiovascular Diseases

**PD-M-059: Paraneoplastic Cerebellar Degeneration**

Medical Oncology, Neurology

**PD-M-186: Parkinson's Disease**

Neurology, Geriatric Medicine-IM

**CS-M-067: Parkinson's disease**

Neurology

**MCQ-M-031: Parkinsonism**

Neurology

**PD-M-114: Paroxysmal Nocturnal Hemoglobinuria**

Hematology

**PD-M-207: Pediculosis Pubis**

Infectious Disease

**EM-M-022: Peptic ulcer disease**

General Surgery

**MCQ-M-020: Pericardial effusion**

Cardiovascular Diseases

**PD-M-150: Pericarditis, Acute**

Emergency Medicine, Cardiovascular Diseases

**PD-M-249: Perinephric Abscess**

Nephrology

**PD-M-019: Peripartum Cardiomyopathy**

Obstetrics & Gynecology, Cardiovascular Diseases

**PD-M-026: Peripheral Neuropathy, B12 Deficiency**

Neurology

**PD-M-201: Peripheral Vascular Disease**

Vascular Surgery

**CS-M-025: Pheochromocytoma**

Endocrinology

**CS-M-071: Pheochromocytoma**

Endocrinology, Urology

**PD-M-241: Pituitary Apoplexy**

Emergency Medicine, Endocrinology

**EM-M-016: Pneumonia, community acquired**

Infectious Disease, Pulmonary Disease

**PD-M-065: Pneumonia, Community-Acquired**

Infectious Disease, Pulmonary Disease

**EM-M-017: Pneumonia, hospital acquired**

Infectious Disease, Pulmonary Disease

**PD-M-087: Poisoning, Acetaminophen**

Emergency Medicine, Medical Toxicology

**CS-M-055: Poisoning, Acetaminophen (Acute)**

Emergency Medicine, Medical Toxicology

**CS-M-077: Poisoning, Acetaminophen (Chronic)**

Emergency Medicine, Medical Toxicology

**PD-M-018: Poisoning, Salicylate**

Emergency Medicine, Medical Toxicology

**PD-M-090: Poisoning, Tricyclic Antidepressant**

Emergency Medicine, Medical Toxicology

**PD-M-109: Polycystic Kidney Disease, Autosomal Dominant**

Nephrology

**PD-M-176: Polymyalgia Rheumatica**

Rheumatology

**PD-M-007: Polymyositis**

Rheumatology

**PD-M-104: Portal Vein Thrombosis**

Gastroenterology, Vascular Surgery

**CS-G-008: Postpartum Hemorrhage**

Endocrinology, Obstetrics

**PD-M-057: Primary Biliary Cholangitis**

Gastroenterology, Hepatology

**PD-M-120: Primary Myelofibrosis**

Hematology

**PD-M-044: Prinzmetal's Angina**

Cardiovascular Diseases

**EM-M-026: Progressive Supranuclear Palsy**

Neurology

**PD-M-124: Protein C Deficiency**

Hematology

**PD-M-077: Pseudo-Cushing Syndrome**

Endocrinology

**PD-M-095: Pseudoacromegaly**

Endocrinology

**PD-M-230: Pseudohypoparathyroidism**

Endocrinology

**PD-M-133: Psittacosis**

Infectious Disease

**PD-M-174: Psoriatic Arthritis**

Rheumatology

**CS-M-061: Pulmonary Arterial Hypertension, Systemic Sclerosis**

Pulmonary Disease, Rheumatology, Dermatology

**PD-M-190: Pulmonary Embolism**

Emergency Medicine, Pulmonary Disease

**PD-M-022: Reactive Arthritis**

Rheumatology

**MCQ-M-014: Restrictive cardiomyopathy**

Cardiovascular Diseases

**PD-M-071: Rhabdomyolysis, Drug Induced**

Nephrology

**PD-M-172: Rheumatoid Arthritis**

Rheumatology

**EM-M-005: Rheumatoid arthritis**

Rheumatology

**PD-M-136: Rocky Mountain Spotted Fever**

Infectious Disease

**PD-M-085: Sarcoidosis**

Pulmonary Disease

**PD-M-208: Scabies**

Infectious Disease

**PD-M-143: Schistosomiasis**

Infectious Disease

**CS-M-045: Schistosomiasis**

Infectious Disease, Nephrology, Urology

**PD-M-083: Scombroid Fish Poisoning**

Immunology, Medical Toxicology

**PD-M-139: Scrub Typhus**

Infectious Disease

**PD-M-202: Secondary Diabetes**

Endocrinology

**PD-M-100: Sepsis**

Infectious Disease

**PD-M-131: Septic Arthritis**

Infectious Disease, Rheumatology

**CS-M-027: Serotonin Syndrome**

Emergency Medicine, Neurology

**CS-M-023: Sexual Assault**

Psychiatry, Legal Medicine

**PD-M-256: Sheehan Syndrome**

Endocrinology

**CS-G-016: Sheehan Syndrome**

Endocrinology, Obstetrics

**PD-M-126: Sickle Cell Disease**

Hematology

**PD-M-196: Silicosis**

Pulmonary Disease

**PD-M-178: Sjogren's Syndrome**

Rheumatology, Immunology

**PD-M-173: SLE**

Rheumatology, Immunology, Nephrology

**EM-M-032: Spinal Epidural Abscess**

Infectious Disease

**PD-M-254: Spinal tuberculosis**

Infectious Disease

**PD-M-242: Sporotrichosis**

Infectious Disease

**CS-M-031: Statin Myopathy**

Endocrinology, Cardiovascular Diseases

**PD-M-168: Stevens-Johnson Syndrome**

Emergency Medicine, Dermatology

**CS-M-048: Stroke, Acute**

Emergency Medicine, Vascular Neurology

**PD-M-159: Stroke, Ischemic**

Emergency Medicine, Neurology

**PD-M-076: Strongyloidiasis**

Infectious Disease

**PD-M-008: Subarachnoid Hemorrhage**

Emergency Medicine, Neurology

**PD-M-078: Subclinical Cushing's Syndrome**

Endocrinology

**CS-M-040: Substance Abuse**

Emergency Medicine, Infectious Disease, Medical Toxicology, Addiction Medicine, Addiction Psychiatry

**PD-M-164: Superior Vena Cava Syndrome**

Emergency Medicine

**PD-M-024: Syphilis, Primary**

Infectious Disease

**CS-M-056: Systemic Lupus Erythematosus**

Rheumatology, Nephrology, Clinical/Laboratory Immunology

**PD-M-014: Takayasu Arteritis**

Cardiovascular Diseases

**PD-M-091: Takotsubo Cardiomyopathy**

Emergency Medicine, Cardiovascular Diseases

**PD-M-271: Talaromycosis**

Infectious Disease

**PD-M-188: Temporal Lobe Epilepsy**

Neurology

**CS-M-018: Temporal Lobe Epilepsy**

Neurology

**PD-M-161: Tension Pneumothorax**

Emergency Medicine

**EM-M-015: Tetanus**

Infectious Disease

**CS-M-041: Tetanus Following Dog Bite**

Emergency Medicine, Infectious Disease

**PD-M-222: Tetralogy Of Fallot**

Cardiovascular Diseases, Pediatrics

**PD-M-092: Thrombotic Thrombocytopenic Purpura**

Hematology

**PD-M-102: Thyroid Storm**

Endocrinology

**EM-M-020: Thyroid storm**

Endocrinology

**PD-M-039: Thyrotoxic Periodic Paralysis**

Emergency Medicine, Endocrinology

**MCQ-M-032: Thyrotoxicosis**

Endocrinology

**PD-M-166: Tick Paralysis**

Emergency Medicine

**PD-M-145: Tinea Pedis**

Infectious Disease, Dermatology

**PD-M-262: Toxic Megacolon**

Gastroenterology

**PD-M-141: Toxoplasmosis**

Infectious Disease

**PD-M-052: Transverse Myelitis**

Neurology

**PD-M-213: Trichomonas**

Infectious Disease

**PD-M-189: Trigeminal Neuralgia**

Neurology

**PD-M-137: Tropical Pulmonary Eosinophilia**

Infectious Disease

**PD-M-194: Tuberculosis**

Infectious Disease, Pulmonary Disease

**PD-M-135: Tuberculosis, Miliary**

Infectious Disease

**PD-M-101: Tularemia**

Infectious Disease

**PD-M-169: Tumor Lysis Syndrome**

Emergency Medicine, Medical Oncology

**PD-M-266: Uremic Encephalopathy**

Nephrology

**PD-M-021: Urethritis, Gonococcal**

Infectious Disease

**PD-M-239: Urinary Tract Infection, Female**

Urology

**PD-M-260: Urinary Tract Infection, Simple**

Nephrology

**PD-M-240: Variceal Hemorrhage, Acute**

Emergency Medicine, Gastroenterology

**PD-M-221: Ventricular Septal Defect**

Cardiovascular Diseases

**PD-M-251: VIPoma**

Gastroenterology

**PD-M-122: Vitamin B12 Deficiency Anemia**

Hematology

**PD-M-118: Waldenström's**

**Macroglobulinaemia**

Hematology

**PD-M-034: Wegener's Granulomatosis**

Pulmonary Disease, Rheumatology, Nephrology

**EM-M-029: Wernicke's encephalopathy**

Neurology, Internal Medicine

**PD-M-056: West Nile Virus**

Infectious Disease

**PD-M-028: Whipple's Disease**

Infectious Disease, Gastroenterology

**PD-M-103: Wilson's Disease**

Gastroenterology

**PD-M-160: Wolff-Parkinson-White Syndrome**

Emergency Medicine, Cardiac Electrophysiology

**CS-M-017: Zika Virus Infection**

Infectious Disease, Critical Care Medicine

**PD-M-094: Zollinger-Ellison Syndrome**  
Gastroenterology

## Obstetrics & Gynecology

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**EM-G-002: Abnormal Uterine Bleeding**  
Obstetrics & Gynecology

**PD-G-033: Acute Appendicitis In Pregnancy**  
Obstetrics & Gynecology, Emergency Medicine

**PD-G-029: Acute Fatty Liver Of Pregnancy**  
Obstetrics & Gynecology

**CS-M-058: Acute myeloid leukemia, pregnancy**  
Hematology/Oncology, Obstetrics

**PD-G-027: Acute Uterine Inversion**  
Obstetrics & Gynecology

**PD-G-032: Adrenocortical Tumor, Androgen Secreting**  
Obstetrics & Gynecology, Medical Oncology

**PD-G-022: Androgen Insensitivity Syndrome**  
Obstetrics & Gynecology, Endocrinology

**CS-G-013: Antenatal care**  
Obstetrics

**PD-G-024: Aortic Stenosis In Pregnancy**  
Obstetrics & Gynecology, Cardiovascular Diseases

**PD-G-037: Bacterial Vaginosis**  
Infectious Disease

**PD-G-021: Cervical Cancer In Pregnancy**  
Obstetrics & Gynecology, Gynecological Oncology

**PD-G-007: Choriocarcinoma**  
Obstetrics & Gynecology, Gynecological Oncology

**CS-G-007: Contraceptive Techniques**  
Family Practice, Gynecology

**PD-G-026: Cytolytic Vaginosis**  
Obstetrics & Gynecology

**PD-G-011: Deep Vein Thrombosis, Pregnancy**  
Obstetrics & Gynecology, Emergency Medicine

**CS-G-010: Dysfunctional Uterine Bleeding**  
Gynecology

**CS-G-015: Ectopic Pregnancy**  
Emergency Medicine, Obstetrics

**PD-G-013: Ectopic Pregnancy**  
Obstetrics & Gynecology

**CS-G-001: Ectopic Pregnancy**  
Obstetrics

**PD-G-018: Endometriosis**  
Obstetrics & Gynecology

**CS-G-002: Fibroids**  
Obstetrics & Gynecology

**PD-G-005: Fibroids, Red Degeneration**  
Obstetrics & Gynecology

**PD-G-012: Fitz-Hugh-Curtis Syndrome**  
Obstetrics & Gynecology, Infectious Disease

**PD-M-204: Gestational Diabetes Mellitus**  
Obstetrics & Gynecology, Endocrinology, Diabetes

**EM-G-001: Gestational Diabetes Mellitus**  
Obstetrics & Gynecology, Endocrinology, Diabetes

**CS-G-017: Gestational Diabetes Mellitus**  
Obstetrics

**PD-G-008: Herpes Simplex, Genital**  
Infectious Disease



**PD-G-034: Heterotopic Pregnancy**  
Obstetrics & Gynecology, Emergency Medicine

**CS-G-009: Hormone Replacement Therapy**  
Family Practice, Geriatric Medicine-FP,  
Reproductive Endocrinology

**PD-G-028: Hyperemesis Gravidarum**  
Obstetrics & Gynecology

**CS-G-011: Hyperemesis Gravidarum**  
Obstetrics

**CS-M-010: Immune thrombocytopenia**  
Immunology, Hematology, Obstetrics,  
Neonatal-Perinatal Medicine

**PD-G-010: Intrahepatic Cholestasis Of  
Pregnancy**  
Obstetrics & Gynecology, Gastroenterology

**PD-G-031: Isolated Fallopian Tube Torsion**  
Obstetrics & Gynecology

**CS-G-005: Marfan syndrome**  
Cardiovascular Diseases, Obstetrics, Medical  
Genetics

**PD-G-009: Meig's Syndrome**  
Obstetrics & Gynecology

**PD-G-001: Miscarriage, Inevitable**  
Obstetrics & Gynecology

**CS-G-014: Obstructed labor**  
Obstetrics

**PD-G-030: Ovarian Hyperstimulation  
Syndrome**  
Obstetrics & Gynecology, Endocrinology

**PD-G-004: Ovarian Torsion, Acute**  
Obstetrics & Gynecology, Emergency Medicine

**PD-G-016: Pelvic Inflammatory Disease**  
Obstetrics & Gynecology, Infectious Disease

**PD-M-019: Peripartum Cardiomyopathy**  
Obstetrics & Gynecology, Cardiovascular Diseases

**PD-G-017: Placenta Previa**  
Obstetrics & Gynecology

**PD-G-003: Placental Abruption**  
Obstetrics & Gynecology, Emergency Medicine

**PD-G-014: Polycystic Ovary Syndrome**  
Obstetrics & Gynecology, Endocrinology

**PD-G-015: Postpartum Hemorrhage**  
Obstetrics & Gynecology, Emergency Medicine

**EM-G-003: Postpartum Hemorrhage**  
Obstetrics & Gynecology

**CS-G-008: Postpartum Hemorrhage**  
Endocrinology, Obstetrics

**CS-G-012: Pre-eclampsia**  
Obstetrics

**PD-G-002: Preeclampsia**  
Obstetrics & Gynecology

**PD-G-036: Pregestational Diabetes**  
Obstetrics & Gynecology, Endocrinology

**PD-G-038: Premature Ovarian Insufficiency**  
Obstetrics & Gynecology

**CS-G-004: Preterm Premature Rupture Of  
Membranes**  
Obstetrics

**PD-G-025: Round Ligament Varicosities**  
Obstetrics & Gynecology

**CS-G-016: Sheehan Syndrome**  
Endocrinology, Obstetrics

**PD-G-023: Shoulder Dystocia**  
Obstetrics & Gynecology, Emergency Medicine

**CS-G-006: Subfertility**

Urology, Family Practice

**PD-G-020: Tuberculosis, Endometrial**

Obstetrics & Gynecology, Infectious Disease

**PD-G-006: Umbilical Cord Prolapse**

Obstetrics & Gynecology, Emergency Medicine

**PD-G-019: Uterine Rupture**

Obstetrics & Gynecology, Emergency Medicine

**PD-G-035: Vaginal Candidiasis, Diabetes**

Obstetrics & Gynecology, Infectious Disease, Endocrinology

## Pediatrics

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**PD-P-008: Acute Glomerulonephritis**

Nephrology, Pediatrics

**CS-P-023: Acute Lymphoblastic Leukemia**

Hematology/Oncology

**CS-P-004: Acute Lymphoblastic Leukemia**

Hematology/Oncology

**PD-P-012: Acute Lymphoblastic Leukemia**

Hematology, Pediatrics, Hematology/Oncology

**CS-P-010: Acute Rheumatic Fever**

Infectious Disease, Pediatric Cardiology

**PD-P-036: Acute Rheumatic Fever**

Cardiovascular Diseases

**CS-Y-001: ADHD**

Pediatrics, Psychiatry, Child & Adolescent Psychiatry, Developmental-Behavioral Pediatrics

**PD-P-035: Alport Syndrome**

Nephrology

**PD-P-001: Ataxia Telangiectasia**

Neurology, Immunology, Pediatrics

**MCQ-P-002: Atrial septal defect**

Pediatrics, Pediatric Cardiology

**EM-P-002: Atrial Septal Defect**

Pediatric Cardiology

**MCQ-P-001: Atrioventricular block, 3rd degree**

Cardiac Electrophysiology, Pediatric Cardiology

**CS-P-006: Beta Thalassemia**

Hematology, Bloodbanking/Transfusion Medicine

**PD-P-002: Biliary Atresia**

Gastroenterology, Pediatrics

**CS-P-014: Biliary Atresia**

Neonatal-Perinatal Medicine, Pediatric Gastroenterology

**CS-P-017: Breast milk jaundice**

Neonatal-Perinatal Medicine, Pediatric Gastroenterology

**CS-P-018: Bronchiolitis**

Infectious Disease, Pulmonary Disease, Pediatrics

**EM-P-005: Bronchiolitis**

Pediatrics

**PD-P-030: Cat Scratch Disease**

Infectious Disease

**PD-P-010: Charcot-Marie-Tooth Disease**

Neurology, Pediatrics

**CS-P-008: Childhood Cough**

Pediatric Infectious Disease, Neonatal-Perinatal Medicine

**PD-P-013: Childhood IgA Vasculitis**

Dermatology, Pediatrics

**MCQ-P-003: Coarctation of the aorta**

Pediatrics, Pediatric Cardiology

**PD-P-005: Congenital Adrenal Hyperplasia**

Endocrinology, Pediatrics

**PD-P-004: Congenital Hypothyroidism**

Endocrinology, Pediatrics

**PD-P-016: Congenital Lobar Emphysema**

Pulmonary Disease, Pediatrics

**EM-P-006: Croup**

Pediatrics, Family Practice

**PD-M-134: Cryptosporidiosis**

Infectious Disease, Pediatrics

**PD-P-009: Diabetic Ketoacidosis**

Emergency Medicine, Endocrinology, Pediatrics

**CS-P-022: Down syndrome, neonatal**

Pediatrics, Clinical Genetics

**CS-P-015: Epiglottitis**

Pediatrics, Pediatric Infectious Disease, Pediatric Critical Care Medicine, Pediatric Emergency Medicine

**CS-P-021: Esophageal atresia**

Pediatrics, Pediatric Surgery

**CS-P-020: Esophageal atresia**

Pediatrics, Pediatric Surgery

**PD-P-032: Growth Hormone Deficiency**

Endocrinology

**EM-P-004: Hand, Foot, And Mouth Disease**

Pediatrics

**PD-P-021: Hemoglobin E/Beta-Thalassemia**

Hematology, Pediatrics

**PD-P-027: Hemolytic Uremic Syndrome**

Hematology

**PD-P-015: Hemophilia**

Hematology, Pediatrics

**PD-P-014: Hypertrophic Pyloric Stenosis**

Gastroenterology, Pediatrics

**PD-M-070: Idiopathic Pulmonary Hemosiderosis**

Pulmonary Disease, Pediatrics

**CS-M-010: Immune thrombocytopenia**

Immunology, Hematology, Obstetrics, Neonatal-Perinatal Medicine

**PD-P-007: Infectious Mononucleosis**

Infectious Disease, Pediatrics

**CS-P-019: Infectious mononucleosis**

Infectious Disease

**PD-P-028: Intussusception**

Pediatrics, Pediatric Surgery

**CS-P-011: Kawasaki Disease**

IM/Pediatrics

**EM-P-003: Kawasaki Disease**

Pediatrics, Pediatric Cardiology

**PD-P-003: Kawasaki Disease**

Pediatric Cardiology

**CS-P-012: Kwashiorkor**

Endocrinology, IM/Pediatrics, Nutrition

**PD-P-024: Laron Syndrome**

Endocrinology, Pediatrics

**CS-P-009: Lead Toxicity, Pediatric**

Medical Toxicology, Hematology

**CS-P-002: Measles**

Infectious Disease, Pediatrics, Family Practice, Pediatric Infectious Disease

**PD-P-006: Meckel's Diverticulum**

Pediatric Surgery

**CS-P-003: Nephrotic Syndrome**

Family Practice, Pediatric Nephrology

**PD-P-023: Nephrotic Syndrome**

Nephrology, Pediatrics

**PD-P-031: Neurofibromatosis Type 1**  
Dermatology

**PD-Y-017: Nocturnal Enuresis**  
Pediatrics, Psychiatry

**PD-P-025: Non Accidental Injury**  
Pediatrics

**PD-P-034: Orbital Cellulitis**  
Infectious Disease

**CS-P-005: Osteomyelitis**  
Pediatric Orthopedics

**PD-S-009: Osteosarcoma**  
Pediatrics, Orthopedic Surgery, Surgical Oncology

**MCQ-P-004: Patent ductus arteriosus**  
Pediatrics, Pediatric Cardiology

**EM-P-001: Pertussis**  
Pediatrics

**PD-P-018: Pertussis**  
Infectious Disease, Pediatrics

**PD-P-017: Pheochromocytoma**  
Endocrinology, Nephrology, Pediatrics

**CS-P-013: Post-Streptococcal  
Glomerulonephritis**  
Infectious Disease, Pediatric Nephrology

**PD-P-037: Post-Traumatic Hypopituitarism**  
Endocrinology

**PD-P-019: Pott's Puffy Tumor**  
Infectious Disease, Pediatrics

**PD-P-039: Renal Artery Stenosis**  
Cardiovascular Diseases

**PD-P-038: Renal Vein Thrombosis, Neonatal**  
Cardiovascular Diseases

**PD-P-011: Retropharyngeal Abscess**  
Infectious Disease, Pediatrics, Otolaryngology

**PD-P-029: Reye Syndrome**  
Emergency Medicine, Neurology, Pediatrics

**CS-P-007: Sickle Cell Disease**  
Hematology, Bloodbanking/Transfusion Medicine

**PD-P-033: Spinal Muscular Atrophy, Type 1**  
Neurology

**CS-P-016: Spitzoid Melanocytic Lesion**  
Dermatology, Pediatric Dermatology

**MCQ-P-007: Tetralogy of Fallot**  
Pediatrics, Pediatric Cardiology

**MCQ-P-005: Tetralogy of Fallot**  
Pediatrics, Pediatric Cardiology

**PD-M-222: Tetralogy Of Fallot**  
Cardiovascular Diseases, Pediatrics

**MCQ-P-008: Tetralogy of Fallot**  
Pediatrics, Pediatric Cardiology

**MCQ-P-006: Transposition of the great  
vessels**  
Pediatric Cardiology

**PD-P-026: Urinary Tract Infection**  
Infectious Disease, Pediatrics, Urology

**CS-P-001: Varicella**  
Infectious Disease, Pediatrics, Family Practice,  
Pediatric Infectious Disease

**PD-P-022: Von Willebrand Disease (vWD)**  
Hematology, Pediatrics

**PD-P-020: Wilms' Tumor**  
Medical Oncology, Pediatrics

# Psychiatry

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## **CS-Y-001: ADHD**

Pediatrics, Psychiatry, Child & Adolescent Psychiatry, Developmental-Behavioral Pediatrics

## **PD-Y-003: Alzheimer's Disease**

Neurology, Geriatric Psychiatry

## **PD-Y-008: Anorexia Nervosa**

Psychiatry

## **PD-Y-011: Attention Deficit Hyperactivity Disorder**

Child & Adolescent Psychiatry

## **PD-Y-005: Autism Spectrum Disorder**

Child & Adolescent Psychiatry

## **EM-Y-003: Bipolar disorder**

Psychiatry

## **PD-Y-020: Bipolar Disorder**

Psychiatry

## **CS-Y-004: Bipolar Disorder In Pregnancy**

Psychiatry, Obstetrics

## **PD-Y-018: Borderline Personality Disorder**

Psychiatry

## **PD-Y-021: Bulimia Nervosa**

Psychiatry

## **PD-Y-010: Cannabis Related Disorders**

Psychiatry

## **CS-Y-002: Catatonia**

Geriatric Medicine-IM, Psychiatry

## **PD-Y-009: Cocaine Intoxication**

Emergency Medicine, Psychiatry

## **EM-M-030: Dementia with Lewy Bodies**

Neurology, Geriatric Medicine-IM, Psychiatry, Geriatric Psychiatry, Internal Medicine

## **PD-Y-019: Dementia With Lewy Bodies**

Neurology, Geriatric Psychiatry, Geriatric Psychiatry

## **MCQ-Y-001: Depression**

Psychiatry, Child & Adolescent Psychiatry

## **MCQ-Y-003: Depression**

Psychiatry, Child & Adolescent Psychiatry

## **MCQ-Y-002: Depression**

Psychiatry, Child & Adolescent Psychiatry

## **CS-Y-005: Depression**

Psychiatry, Family Practice

## **PD-Y-002: Factitious Disorder**

Psychiatry

## **PD-Y-001: Functional Neurological Symptom Disorder**

Psychiatry

## **PD-Y-015: Generalized Anxiety Disorder**

Psychiatry

## **PD-Y-022: Genito-Pelvic Pain/Penetration Disorder**

Psychiatry

## **EM-Y-005: Histrionic personality disorder**

Psychiatry

## **PD-Y-014: Major Depressive Disorder**

Psychiatry

## **EM-Y-004: Major Depressive Disorder**

Psychiatry

## **CS-Y-003: Mental Health Issues In Family Practice**

Psychiatry, Family Practice

## **CS-M-020: Neuroleptic Malignant Syndrome**

Emergency Medicine, Psychiatry

**PD-Y-004: Neuroleptic Malignant Syndrome**

Neurology, Psychiatry

**PD-Y-017: Nocturnal Enuresis**

Pediatrics, Psychiatry

**PD-Y-007: Obsessive-Compulsive Disorder**

Psychiatry

**EM-M-021: Opioid intoxication**

Emergency Medicine, Psychiatry

**EM-Y-001: Opioid use disorder, abuse and dependence**

Psychiatry

**EM-Y-002: Opioid use disorder, overdose**

Psychiatry

**PD-Y-006: Panic Disorder**

Psychiatry

**PD-Y-012: Post-Traumatic Stress Disorder**

Psychiatry

**PD-Y-016: Schizoaffective Disorder**

Psychiatry

**EM-Y-006: Schizophrenia**

Psychiatry

**PD-Y-013: Schizophrenia**

Psychiatry

**CS-M-023: Sexual Assault**

Psychiatry, Legal Medicine

**CS-Y-006: SSRI-induced Sexual Dysfunction**

Psychiatry

**PD-Y-023: Transvestic Disorder**

Psychiatry

## Surgery

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**CS-S-007: Abdominal Aortic Aneurysm**

Emergency Medicine, Vascular Surgery

**PD-S-050: Achalasia**

Gastroenterology, General Surgery

**CS-S-006: Acute Cholecystitis**

Abdominal Surgery

**CS-S-032: Acute Cholecystitis**

Abdominal Surgery

**PD-S-014: Acute Epiglottitis**

Infectious Disease, Otolaryngology

**PD-S-051: Acute Head Trauma**

Emergency Medicine, Trauma Surgery

**PD-S-066: Acute Pyelonephritis**

Urology

**PD-S-011: Aortic Aneurysm, Abdominal**

Vascular Surgery

**PD-S-039: Autoimmune Pancreatitis**

Gastroenterology, Immunology, General Surgery

**CS-S-018: Avascular Necrosis, Femoral Head**

Orthopedic Surgery

**CS-S-025: Benign paroxysmal positional vertigo**

Otolaryngology, Head & Neck Surgery

**PD-S-017: Benign Positional Paroxysmal Vertigo**

Otolaryngology

**CS-S-019: Benign prostatic hyperplasia**

Urology

**PD-S-025: Biliary Ascariasis**

General Surgery

**PD-S-087: Bladder Cancer**

Urology, Surgical Oncology

**CS-S-022: Bladder Cancer**

Urology, Surgical Oncology

**PD-S-073: Blast Injury**

Emergency Medicine, General Surgery, Trauma Surgery

**CS-S-016: Blunt Abdominal Trauma**

Emergency Medicine, Trauma Surgery

**PD-S-059: Blunt Diaphragmatic Rupture**

General Surgery, Trauma Surgery

**PD-S-047: Breast Cancer, Inflammatory**

General Surgery, Surgical Oncology

**PD-S-055: Breast Cancer, Male**

General Surgery, Surgical Oncology

**PD-S-064: Burns**

Emergency Medicine, General Surgery, Trauma Surgery

**CS-S-008: Burns**

Emergency Medicine, Trauma Surgery, Critical Care Medicine

**PD-S-058: Cardiac Injury, Blunt Trauma**

Trauma Surgery

**EM-S-001: Carpal tunnel syndrome**

Neurology, General Surgery, General Surgery, Orthopedic Surgery, Hand Surgery

**PD-S-063: Cervical Epidural Hematoma**

Emergency Medicine, Neurological Surgery

**PD-S-036: Chilaiditi Syndrome**

General Surgery

**PD-S-032: Cholangiocarcinoma, Hilar**

Medical Oncology, General Surgery

**PD-S-035: Choledochal Cyst**

General Surgery

**PD-S-071: Chronic Pyelonephritis**

Urology

**PD-S-029: Chronic Subdural Hematoma**

Neurological Surgery

**PD-S-069: Colostomy complications**

Colon & Rectal Surgery

**PD-S-019: Compartment Syndrome, Leg**

General Surgery

**PD-S-061: Concussion, Sports-related**

General Surgery, Trauma Surgery

**CS-S-009: Corrosive Ingestion**

Medical Toxicology, Pediatric Emergency Medicine, Thoracic Surgery

**PD-S-090: Crush Injury**

Trauma Surgery

**PD-S-060: Cystic Echinococcosis, Liver**

Gastroenterology

**PD-S-065: Diabetic Foot Ulcer**

Endocrinology, General Surgery

**PD-S-021: Diabetic Mastopathy**

Endocrinology

**PD-S-023: Dieulafoy's Lesion**

General Surgery

**PD-S-044: Diverticulitis, Acute**

Gastroenterology, General Surgery

**PD-S-082: Electrical Injury**

Emergency Medicine

**PD-S-062: Emphysematous Cholecystitis**

Emergency Medicine, General Surgery

**PD-S-070: Esophageal Cancer**

General Surgery

**PD-S-084: Ewing's Sarcoma**

Orthopedic Surgery, Surgical Oncology

**PD-S-075: Facial Trauma**

Emergency Medicine, General Surgery, Trauma Surgery

**PD-S-072: Fibroadenoma**

General Surgery

**CS-S-030: Fibroadenoma**

General Surgery

**CS-S-021: Follicular Thyroid Cancer**

Endocrinology, Surgical Oncology, Head & Neck Surgery

**CS-S-013: Functional Gallbladder Disorder**

Gastroenterology, Abdominal Surgery

**PD-S-081: Gallbladder cancer**

Medical Oncology, Surgical Oncology

**PD-S-008: Gallstone Disease**

General Surgery

**PD-S-049: Gallstone Ileus**

General Surgery

**PD-S-012: Gardner's Syndrome**

General Surgery

**PD-S-085: Gastric Volvulus, Acute**

Gastroenterology, General Surgery

**PD-S-037: Hemosuccus Pancreaticus**

General Surgery

**PD-S-013: Hyperparathyroidism, Primary**

Endocrinology

**CS-S-017: Inguinal Hernia**

General Surgery, Abdominal Surgery

**PD-S-033: Isolated Gall Bladder Injury**

Emergency Medicine

**PD-S-027: Jejunal Amyloidosis**

General Surgery

**PD-S-003: Legg-Calvé-Perthes Disease**

Orthopedic Surgery

**PD-S-031: Lemierre's Syndrome**

Infectious Disease, Otolaryngology

**PD-S-046: Mirizzi Syndrome**

General Surgery

**PD-S-026: Muir-Torre Syndrome**

Gastroenterology, Medical Oncology

**PD-S-067: Multiple Endocrine Neoplasia Type 2**

General Surgery

**PD-S-074: Ocular Injury**

Emergency Medicine, General Surgery, Trauma Surgery

**PD-S-030: Omental Infarction**

General Surgery, General Surgery

**PD-S-005: Osteomyelitis, Acute Hematogenous**

Infectious Disease, Orthopedic Surgery

**PD-S-048: Osteonecrosis, Femoral Head**

Orthopedic Surgery

**PD-S-086: Osteopetrosis, autosomal dominant**

Orthopedic Surgery

**PD-S-009: Osteosarcoma**

Pediatrics, Orthopedic Surgery, Surgical Oncology

**CS-S-026: Osteosarcoma**

Orthopedic Surgery, Musculoskeletal Oncology

**PD-S-076: Otosclerosis**

Otolaryngology

**PD-S-057: Paget's Disease of the Breast**

General Surgery, Surgical Oncology



**PD-S-088: Pancreatic cancer**  
General Surgery, Surgical Oncology

**PD-S-041: Pancreatitis, Acute**  
Gastroenterology

**CS-M-079: Pancreatitis, Acute**  
Gastroenterology

**PD-S-001: Pancreatitis, Chronic**  
Gastroenterology, General Surgery

**PD-S-042: Penile Fracture**  
Urology

**PD-S-007: Peptic Ulcer, Perforated**  
Emergency Medicine, General Surgery

**CS-S-029: Peptic ulcer, perforated**  
General Surgery

**CS-S-003: Peripheral Artery Disease**  
Vascular Surgery

**PD-S-052: Phyllodes Tumor**  
General Surgery

**PD-S-006: Polycythemia, Primary**  
Hematology

**CS-S-015: Post-op Biliary Peritonitis**  
Gastroenterology, Abdominal Surgery

**CS-S-012: Primary Spontaneous Pneumothorax**  
Emergency Medicine, Critical Care Medicine, Thoracic Surgery

**PD-S-079: Psoas Abscess**  
Infectious Disease

**PD-S-034: Rapunzel Syndrome**  
General Surgery

**PD-S-040: Renal Arteriovenous Malformation, Congenital**  
Nephrology, Vascular Surgery

**PD-S-024: Renal Artery Aneurysm**  
General Surgery, Vascular Surgery

**PD-S-068: Renal Cell Carcinoma**  
Urology

**PD-S-054: Renal Infarction**  
Vascular Surgery

**CS-S-010: Renal Transplantation**  
Cardiovascular Diseases, Geriatric Medicine-IM, Nephrology, Clinical/Laboratory Immunology, Transplant Surgery

**PD-S-056: Renal Vein Thrombosis**  
Nephrology, Vascular Surgery

**PD-S-078: Retinal Detachment, Rhegmatogenous**  
Ophthalmology

**PD-S-053: Richter's Hernia**  
General Surgery

**PD-S-022: Ruptured Popliteal Cyst**  
General Surgery

**PD-S-089: Seatbelt syndrome**  
Trauma Surgery

**PD-S-018: Sigmoid Volvulus**  
Colon & Rectal Surgery

**CS-S-004: Sigmoid Volvulus**  
Colon & Rectal Surgery

**PD-S-020: Spigelian Hernia**  
General Surgery

**PD-S-016: Spinal Epidural Abscess**  
Emergency Medicine, Neurology

**PD-S-083: Spinal Fracture, Thoracolumbar**  
Trauma Surgery

**CS-S-028: Splenic Abscess**  
Infectious Disease, General Surgery

**CS-S-027: Splenic Rupture**

Trauma Surgery

**PD-S-038: Subclavian Steal Syndrome**

Vascular Surgery

**PD-S-002: Superior Mesenteric Artery Syndrome**

Vascular Surgery

**CS-S-020: Tension Pneumothorax**

Emergency Medicine, Infectious Disease, Thoracic Surgery

**CS-S-031: Tension pneumothorax**

Emergency Medicine, Infectious Disease, Thoracic Surgery

**PD-S-043: Testicular Torsion**

General Surgery

**PD-S-028: Thyroid Carcinoma, Papillary**

Medical Oncology, General Surgery

**CS-S-014: Thyroid Storm**

Endocrinology, Head & Neck Surgery

**PD-S-004: Trauma, Diaphragmatic Rupture**

Emergency Medicine, Trauma Surgery

**PD-S-080: Traumatic Vascular Injury**

Vascular Surgery

**PD-S-010: Tuberculosis, Breast**

Infectious Disease

**PD-S-015: Ulcerative Colitis**

Gastroenterology

**CS-S-005: Upper GI Bleeding**

Emergency Medicine, Gastroenterology, Vascular Surgery, Abdominal Surgery

**PD-S-045: Upper Limb Ischemia, Acute**

Vascular Surgery

**CS-S-023: Ureteropelvic Junction Obstruction**

Nephrology, Pediatric Surgery, Pediatric Emergency Medicine

**PD-S-077: Urolithiasis**

Urology

**CS-S-011: Urolithiasis**

Nephrology, Urology

**CS-S-033: Urolithiasis**

Nephrology, Urology

**CS-S-024: Vesicoureteral Reflux**

Nephrology, Pediatric Surgery, Pediatric Emergency Medicine

# Notice

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