

Post Graduate Diploma in Medical & Scientific Writing

Background

Doctors are typically well-trained in treating patients, but the medical curriculum rarely teaches them how to publish their papers. Similarly, professionals working in the pharmaceutical, life sciences and healthcare industry and academic institutions rarely get opportunity to formally learn the professional medical and scientific writing. Consequently, many doctors and other professionals hesitate before carrying out or conducting research, even when they have good ideas for research or valuable data that may benefit from publishing.

Medical and scientific writing as a profession is also gaining importance and is an excellent career opportunity. Pharmaceutical companies, medical device companies, CROs, and health / life sciences consulting firms hire hundreds of trained medical writing professionals each year. A professional training in medical and scientific writing is likely to benefit professionals associated with these fields.

Objective

The purpose of this course is to help medical academicians and other applied health sciences professionals refine their research ideas and quickly publish their papers. It will also help them develop other medical and scientific publications.

Specifically, our aim is that participants achieve the skill and confidence to unhesitatingly plan a study or write a paper when a suitable idea appears. We will consider our efforts successful if at the end of the course the participants are willing to take the plunge into research and medical and scientific writing.

Eligibility

We have designed this course for doctors who are relatively new to research and publication and have published no or very few papers. Professionals involved in medical affairs, pharmaceutical research and development, clinical trials, pharmaceutical marketing and branding professionals, and academicians from pharmacy colleges will also find the program beneficial. The typical participant will be one who wishes to plan research, or write a paper or any other scientific publication.

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About Cliniminds

About Cliniminds: Established in 2004, Cliniminds is India's health science education, training and skills institution. We have trained over 8,000 clinical research, pharmacovigilance, data management, business analytics and other areas. Cliniminds offers end to end health sciences training and consulting solutions and has trained over 1,000+ medical and scientific writing professionals in India, USA, Europe, Middle East and other parts of the world. Our trainings include end to end case processing, safety databases, medical review, aggregate report writing, signal evaluation and management, risk management, audit & inspection preparedness and other specialised topics.

Cliniminds has won several national and international awards in the health sciences education and skill domain for the last 8 years. Cliniminds programs are accredited by ACCRE, USA and is International Student Chapter of DIA (Drug Information Association).

Faculty

The faculty consists of top of the line international medical writing experts from Cliniminds and various international universities, pharmaceutical companies and health sciences companies.

Program Mode

Option 1 :- Online Distance Learning

Option 2 :- E Learning (Live Contact Program)

Program Content

In E learning Mode: The course will include 24 sessions. Each session will be 120 minutes long and will typically include 30- 45 minutes of “flipped classroom” followed by a workshop. The contents that will be covered are listed in the table.

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Program Structure

No	Session title	Content
1	Starting your research, and starting your writing (how to overcome writer's block)	<ul style="list-style-type: none"> • Getting ideas • Designing your research • Ensuring validity • Writer's block: short practice session
2	Literature search	<ul style="list-style-type: none"> • Databases (Medline, Google Scholar and others) • Search interfaces, their pros and cons (Pubmed, Google Scholar and others) • Building a search • Literature search for a systematic review • Getting what you want
3,4	Basic Statistics:	<ul style="list-style-type: none"> • Standard deviation, standard error, and when to use which. • Calculating sample sizes • Setting the alpha. Type I and type II errors • "p" values and confidence intervals • Parametric and nonparametric tests • Correlation and beta coefficients • Which test of significance should I use? • Common statistical errors that may lead to rejection
5	Structure of a manuscript, and writing the introduction	<ul style="list-style-type: none"> • Types of papers • Structure of a typical paper • Purpose of the Introduction • How to write an introduction
6	Methods	<ul style="list-style-type: none"> • Purpose of the Methods section • How to write the methods
7	Results	<ul style="list-style-type: none"> • Purpose of the Results • How to write the results
8	Discussion	<ul style="list-style-type: none"> • Purpose of the Discussion • How to write the discussion

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9	The rest of the paper: Title, abstract, and keywords, cover letter, acknowledgments, conflicts	<ul style="list-style-type: none"> • Purpose of an abstract • How to write an abstract and title, and how to choose keywords • Discussion on miscellaneous components of a paper
10	Referencing	<ul style="list-style-type: none"> • Referencing styles: Vancouver, others • Referencing software: EndNote, Zotero
11	Tables, graphs, figures	<ul style="list-style-type: none"> • Conventions regarding style • Designing and labeling tables • How to use Excel for graphs • How to use Pivot Tables in Excel
12	Reviews, Systematic reviews and meta-analyses	<ul style="list-style-type: none"> • Introduction to writing a review • Introduction to systematic reviews and meta-analyses • RevMan software • PRISMA • QADAS • Protocols • Components of data analysis
13	Miscellaneous: Ethics and paper submission	<ul style="list-style-type: none"> • Copyright • Plagiarism • Publication and authorship • Scientific misconduct (e.g. Violations, Premature publication, Duplicate publication, Research misconduct) • Conflict of interest and disclosure • What editors want • Choosing a journal • Managing requests for revision, handling rejection • Introduction to bibliometrics
14	Writing Better	<ul style="list-style-type: none"> • Errors in grammar and syntax • How to ensure that your writing is better understood • Flow • Punctuation • Abstracting • Organization
15	Data Visualization	<ul style="list-style-type: none"> • How to present your data • Making your text and graphs presentable

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16	Specialised Writing – choose 1 specialization	<ol style="list-style-type: none"> 1. Regulatory Writing 2. Writing for Pharmaceutical or Medical Writing Companies Option Avail only in E learning
17	Assessment	In this session, participants will be provided an assignment and assessed on their writing

Methodology & Program Delivery

The course will be conducted completely online (optional live Classes). Cliniminds will make the content available online through Cliniminds LMS. Reference eBooks will also be provided. Sessions will be conducted over the weekend – Saturday or Sunday.

E Learning Mode Sessions will follow a “flipped classroom” pattern. Resource material will be identified before the session. Participants will gain most if they read the resource material before the session and use the session to clarify doubts during the session. Typically, after every 30-minute session, a workshop will be held to ensure that participants are able to perform the activity discussed in the session. Some sessions will be followed by a question-answer session rather than a workshop.

Duration: 18 Weeks (Weekend) ELearning ; 06 Months Online Distance Learning

Assessment

Cliniminds will evaluate all participants and ensure fulfillment of the learning objectives prior to the award of the certificate. The assessment is a core component of the course, and will take place in two steps: a continuous assessment throughout the course, and an end-of-course assessment on the final day.

Certification & Accreditation

Upon successful completion of the program, participants will be awarded an Advanced Post Graduate Diploma in Medical and Scientific Writing. The program is accredited by ACCRE, USA.

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Placement Assistance (For only E learning Mode)

The Cliniminds placement team will provide placement assistance in India to the eligible candidates, primarily for entry level positions. For experienced candidates, the placement support will be on a case by case basis, and subject to the availability of positions per their profile.

Fee Payment

Indian Students: Fee could be paid via NEFT bank transfer or depositing cheque in our bank account. All cheques to be drawn in favour of “Tenet Health Edutech Pvt. Ltd.” Bank Account details are given below:
International Students: PayPal using credit/debit card or bank transfer through SWIFT.

Contact Details

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Write us: info@cliniminds.com

Technology & Knowledge Partners



Cliniminds, Unit of Tenet Health Edutech Pvt. Ltd.

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