**Medicinal Cannabis Master Rounds – Seed to Prescription**

**Aim of Course:**
1. To explain the pharmacology of cannabis-derived and cannabinoid medicines
2. To provide a basic level of confidence and competence when it comes to prescribing, dispensing and regulating the use of products
3. To foster a regional network of clinicians who can collaborate on projects and call on each other for support and guidance

**Intended Participants:** Physicians, Nurses and Pharmacists

**Duration of Course:** Four Days (Nov 21-24) – Final Day- review/practical, network and dinner.

Each day: 8 AM – 4 PM
- 30 min morning coffee break at 10 – 10:30 AM
- 1 hr lunch break at 12 - 1 PM
- 30 min afternoon coffee break at 2:30 – 3 PM

Hours of content (split into modules).

**Arrival on Nov 20; Depart on Nov 25.**
Thursday, November 21st, 2019 (Day 1)

Session I  
7:30am - 8:00am  Introduction to Course  
Dr. Judith Nicholls

Session II  
8:00am - 10:00am  Cultural history, Biochemistry and Pharmacology of Cannabis  
- History of medicinal cannabis in relation to modern society  
- Chemistry of cannabis  
- Nomenclature, taxonomy and relevance to present day  
Dr. Lakshmi Kotra

10:00am - 10:30am  Break

Session III  
10:30am – 11:30am  Endocannabinoid system  
The key components of the endocannabinoid system  
Dr. Lakshmi Kotra

11:30am – 12:00pm  The function of the endocannabinoid system in various tissues, organs and systems within the body and how this can be enhanced or manipulated  
Dr. Lakshmi Kotra

12:00pm – 1:00pm  Lunch

1:00pm - 1:30pm  Updates and clinical correlation  
Dr. Lakshmi Kotra

Session IV  
1:30pm - 2:00pm  Medicolegal Considerations  
History of prohibition of Cannabis  
Dr. Alana Griffith

2:00pm – 2:30pm  UN Single Convention on Narcotic Drugs (1961) and Convention on Psychotropic Substances (1971)  
Dr. Alana Griffith

2:30pm – 3:00pm  Break

3:00pm – 3:30pm  Medicinal cannabis laws worldwide and in the region  
Dr. Rose-Marie Belle Antoine

3:30pm- 4:00pm  Spotlight on local framework and clearly outline laws for current use (country by country) in CARICOM  
Dr. Rose-Marie Belle Antoine

4:00pm  Close of Day 1
Session V

*Overview of Medical Evidence and Uses*

8:00am - 9:00am Common conditions and evidence for efficacy  
**Dr. Delroy Jefferson**

9:00am – 9:30am Cannabis and Mental Health  
**Dr. Delroy Jefferson**

9:30am - 10:00am Dosing and administration  
**Dr. Hance Clarke**

10:00am - 10:30am **Break**

10:30am – 11:00am Approach to patient and patient monitoring  
**Dr. Hance Clarke**

11:00am – 11:30am Ethical considerations  
**Dr. Judith Nicholls**

Session VI

*Focus on Specific Clinical Scenarios and Conditions*

11:30am - 12:00pm Cannabis and Chronic Non-Cancer Pain  
**Dr. Hance Clarke**

12:00pm – 1:00pm **Lunch**

1:00pm – 2:30pm The role of cannabis in cancer and HIV/AIDS treatment  
**Dr. Delroy Jefferson**

i. The unique challenges faced in managing symptoms in a patient with Cancer and the role of medicinal cannabis  
ii. Cannabis in treatment of Anorexia and Cachexia in Cancer and HIV/AIDS

2:30pm - 3:00pm **Break**

2:30pm – 3:00pm Cannabis and Palliative care  
**Dr. Lynda Balneaves**

3:00pm – 4:00pm Cannabis and Neurological conditions  
**Dr. Judith Nicholls**

i. Dravet and Lennox Gastaut Syndromes  
ii. Spasticity (Multiple Sclerosis)  
iii. Parkinson’s disease

4:00pm **Close of Day 2**
8:00am – 9:00am  Cannabis in the treatment of Glaucoma  
Dr. Judith Nicholls

9:00am – 10:00am  Cannabis and opioid weaning  
Dr. Hance Clarke

10:00am – 10:30am  Break

Session VII  
**Safeguards for the Use of Medical Cannabis**

10:30am – 11:00am  Young and adolescent use  
Dr. Judith Nicholls

11:00am – 11:30am  Medicinal cannabis considerations in the elderly population  
Dr. Judith Nicholls

11:30am – 12:00pm  Pregnancy  
Dr. Judith Nicholls

12:00pm – 1:00pm  Lunch

1:00pm – 1:30pm  Psychiatric predisposition  
Dr. Damian Cohall

1:30pm – 2:00pm  Drug interactions  
Dr. Damian Cohall

Session VIII  
**The Medical Cannabis Industry**

2:00pm – 2:30pm  Required legislation and policies to establish a medical cannabis industry  
Dr. Delroy Jefferson

2:30pm – 3:00pm  Break

3:00pm – 3:15pm  Understanding the value chain of medical cannabis  
Dr. Damian Cohall

3:15pm – 3:30pm  Safeguarding the value chain  
Dr. Damian Cohall

3:30pm – 3:45pm  Quality control in product development  
Dr. Damian Cohall

3:45pm – 4:00pm  Product specifications and testing requirements  
Dr. Damian Cohall

4:00pm  Close of Day 3
Sunday, November 24th, 2019 (Day 4)

Session IX  
**Quality Control and Research**

8:00am – 8:30 am  
- Quality control of medicinal cannabis  
- Challenges in medicinal cannabis testing  
  Dr. Lakshmi Kotra

8:30am – 9:00am  
Ethical considerations in Cannabis research  
Dr. Judith Nicholls

9:00am – 9:30am  
Establishment of a national framework on cannabis for nurses  
Dr. Lynda Balneaves

9:30am – 10:00am  
Insights into the patient experience  
Dr. Lynda Balneaves

10:00am – 10:30am  
**Break**

10:30am – 12:00pm  
Case Study – In groups, discuss 2-3 cases  
Entire faculty

12:00pm – 1:00pm  
**Lunch**

Session X  
**Role of Pharmacy in Medicinal Cannabis Control**

1:00pm – 1:15pm  
Selecting products and identifying quality control inefficiencies  
Dr. Lakshmi Kotra

1:15pm – 1:30pm  
Securing storage facilities  
Dr. Lakshmi Kotra

1:30pm – 2:00pm  
Patient education  
Dr. Lakshmi Kotra

2:00pm – 2:30pm  
Caribbean Network for Medical Cannabis Products (CNMC)  
Dr. Damian Cohall

2:30pm – 3:00 pm  
**Break**

Session XI  
Breakout Session – Split into sessions among disciplines – Pharmacists, Nurses & Physicians

3:00pm – 4:00pm  
Discuss unique challenges  
Address administrative issues specific to each discipline  
Entire Faculty

4:00pm  
**Close of Day 4**
Faculty:

1. Dr. Lakshmi Kotra - Professor, Leslie Dan Faculty of Pharmacy, University of Toronto
   Senior Scientist, Krembil Research Institute and Multi-Organ Transplant (MOT) Program, University Health Network, Director, Center for Molecular Design and Preformulations (CMDP)

2. Dr. Hance Clarke - Staff Anesthesiologist, Director Pain Services, Director Good Hope Ehlers Danlos Clinic, Medical Director of The Pain Research Unit, Department of Anesthesia and Pain Management, Toronto General Hospital, University Health Network Co-Chair Knowledge Translation, University of Toronto Centre for the Study of Pain, Associate Professor, Department of Anesthesia, University of Toronto

3. Dr. Delroy Jefferson – Staff Anaesthetist, Pain Specialist, Medical Director, Cayman Islands Health Services Authority.

4. Dr. Lynda Balneaves – College of Nursing, University of Manitoba - Registered Nurse; President of the Society of Integrative Oncology and Deputy Director Canadian Consortium for the Investigation of Cannabinoids.

5. Dr. Damian Cohall – Senior Lecturer, Pharmacology and Deputy Dean, FMS, UWI, Cave Hill Campus.

6. Dr. Judith Nicholls – Research Associate, BIM Medical Cannabis, Anesthesiologist & Pain Physician, Cayman Islands Health Services Authority.

7. Dr. Alana Griffith – Lecturer, Sociologist, Faculty of Sociology, The University of the West Indies, Cave Hill Campus.

8. Professor Rose-Marie Belle Antoine – Dean, Faculty of Law, UWI, St. Augustine Campus and Adjunct Professor at the DePaul, Illinois and Case Western Universities, USA. Chair of the CARICOM Regional Commission on the Decriminalisation of Marijuana.