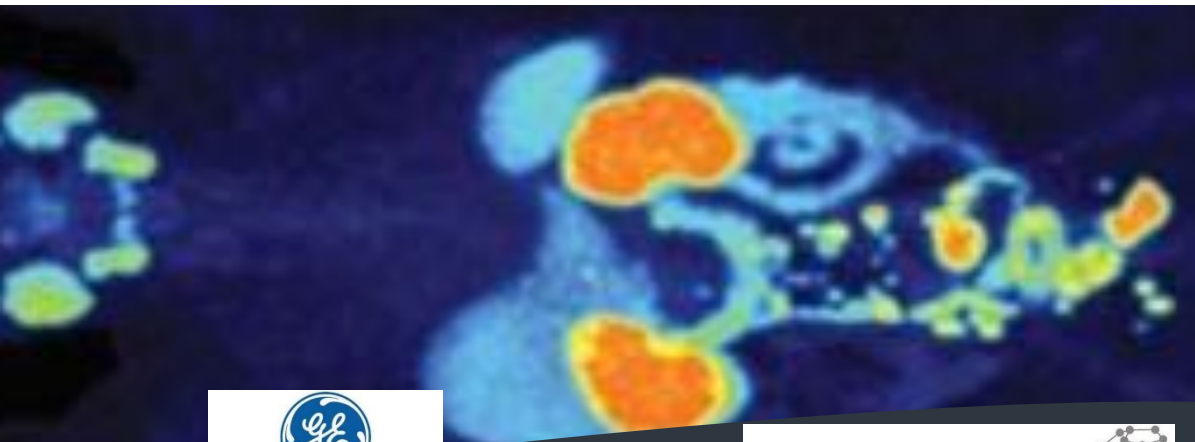


17th Annual CPD Conference

Virtual Conference

Saturday 31st Oct to Sunday 1st Nov, 2020

Integrative Imaging Symposium



THEME



Scope of Practice and Advanced Practice

This year we have responded to the ANZSNM 2020 cancellation to provide a robust CPD program with the usual array of speakers and topics.

We will also offer 2 specific training programs essential for Nuclear Medicine Scientist and radiographers for future practice.

Pharmacology

CT Certification

RAINS Rural Alliance in Nuclear Scintigraphy

Charles Sturt University Faculty of Science

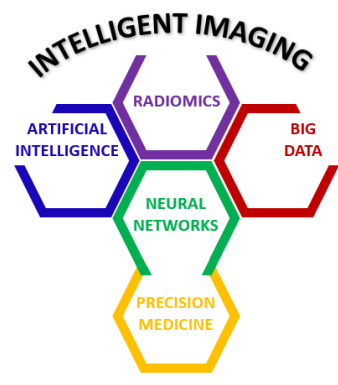


Don't miss your chance to learn and develop skills in 2020.
Virtual Conference provides flexibility and agility to deliver
despite COVID19 uncertainty.

17
years



Charles Sturt University



Making Technical Excellence the Standard

PROGRAM

Plenary sessions – state of the art

Scope of practice

Advanced practice



Artificial intelligence, machine learning & deep learning

Clinical supervision forum

2 day course (Sat & Sun): Diagnostic CT credentialing course for NMTs

1 day course (Sat): Pharmacology course for Radiographers & NMTs



Details of program, speakers and sponsors to follow

Inspire, Impact, Influence and Innovate.

E Pluribus Unum
out of many, one

rains
RURAL ALLIANCE IN NUCLEAR SCINTIGRAPHY

COVID19



2020 is a crisis on all levels. With ANZSNM2020 being cancelled, social and professional isolation of our members, stress on employment, and stress on health have all caused changes to the way we live and left gaps in our professional development that need filling.

We understand that some will just use 2020 to reboot.

Many colleagues quickly identify the advantages of staying connected professionally and advancing skills and knowledge. For those it is essential we provide our annual RAINS event.

The uncertainty about whether we will be allowed to deliver face to face has forced us to plan early for a virtual meeting. RAINS runs a very skinny budget and we simply can't afford to plan a face to face meeting and have it cancelled or poorly attended.

We will convert the program to live streamed via Zoom for registrants, record those sessions and make them available to delegates. It will have cost implications to have a virtual meeting, but we hope to offset that with good registration numbers and sponsorship.

Support us so we can continue support you.

The CT and Pharmacology courses will also run ahead as Zoom sessions with recorded session provided for flexible viewing and live Zoom discussion.

E Pluribus Unum
out of many, one

rains
RURAL ALLIANCE IN NUCLEAR SCINTIGRAPHY



GE Healthcare

Virtual Meeting What to Expect

cyclomedica



More details will follow but using Zoom offers a simple and flexible mode.

CT and pharmacology courses will be pre-recorded and sessions made available to registered delegates ahead of time to view at their leisure. Live zoom sessions with speakers during the planned weekend will be available. This also allows those delegates to take advantage of the main program.

Main program sessions will be a mix of live streaming and pre-recorded sessions. In either case, they can be viewed live over the weekend or via recorded video at your leisure.

The program is a draft and subject to change. The chance to capture more CPD for less registration fee which is very important given the issues we have all confronted in 2020.

We need to ensure our sponsors are well represented in the virtual environment and there will be information disseminated in the meeting to provide insights into what's new and exciting on the commercial front. We need to support our sponsors who make the program so cheap and accessible each year and who are also under pressure with COVID19 and ANZSNM2020 cancellation.

INVITED SPEAKERS

Prof Michael Hofman – Peter Mac Hosp
Dr Elizabeth Hawk – Stanford Uni
Prof Eric Rohren – Baylor Medical College
Prof Lionel Zuckier – Montefiore Hospital
Prof Stewart Bushong – Baylor Medical Coll
Prof Ran Klein – Uni Ottawa
Prof Hosen Kiat – Cardiac Health Institute
Prof Steve Meikle – Uni of Sydney
Prof Vijay Kumar – Westmead Hosp
Prof Enrico Coiera – Macquarie Uni
A/Prof Barry Elison – Wollongong Hop
Dr Tyler Bradshaw – Uni of Wisconsin
Dr Giancarlo Pascali – POW Hosp
Dr Paul Pellegrini - ANSTO
Alanna Vial – Wollongong Uni
A/Prof Geoff Currie – Charles Sturt Uni
Johnathan Hewis – Charles Sturt Uni
Alex Magann – Healthcare Imaging
Craig Roberts – Charles Sturt Uni
Stephanie Sanchez – CSU
Jessica Whitehouse – CSU
Hugo Currie – TRAC

Program and speakers subject to change

Sponsors

We thank all sponsors but particularly our generous platinum sponsors GE Healthcare and Cyclomedica whose sponsorship has allowed registration as significantly reduced rates.

Gold Sponsor



Australian Government



Bronze Sponsors



Platinum Sponsors



GE Healthcare

cyclomedica



Program

- Full day program Saturday
- Full day program Sunday
 - Cardiology
 - Oncology
 - Neurology
- State of the art practice
 - Enhanced practice
 - Image interpretation
 - Instrumentation
- Radiopharmaceutical developments
- Artificial intelligence / machine learning
 - Python coding basics

CT Program

- Credentialed Parallel Program
 - CT instrumentation
- CT protocols / procedures
 - CT contrast

Pharmacology Program

- Principles
- Pharmacokinetics
- Interventional medication

Program and speakers subject to change

Program

cyclomedica



Saturday

1. Emerging new PET Tracers and their impact on clinical imaging and therapy – Prof Vijay Kumar
2. Advances in prostate cancer therapy – Prof Michael Hofman
3. Whole body PET update – Prof Steve Meikle
4. History and future of molecular imaging – Prof Eric Rohren
5. Is Ga-68 the "new" Tc-99m: expanding use beyond DOTATATE and PSMA – Prof Michael Hofman
6. Development of a new 18F dopamine transporter in PET imaging of movement disorders – Prof Vijay Kumar
7. 18F; past, present and future – Giancarlo Pascali
8. Emerging trends in reactor and cyclotron based radionuclide production – Dr Paul Pellegrini
9. Coronary blood flow with digital technology – A/Prof Barry Elison
10. Radiation hormesis - Prof Hosen Kiat
11. Cardiac imaging update; clash of the modalities – A/Prof Barry Elison
12. Nuclear neurology – Dr Elizabeth Hawk
13. Virtual reality applications in nuclear medicine – Prof Ran Klein
14. The galloping pace of nuclear medicine – Prof Stewart Bushong
15. What's new in alpha emitters – Prof Lionel Zuckier
16. LARA and extravasation in PET – Stephanie Sanchez
17. Mysterious Disappearance of Extra-Cardiac Accumulation of 99mTc Sestamibi – Jessica Whitehouse
18. 18F NaF bone scans – Leighton Rogan
19. Clinical supervision workshop



GE Healthcare

Sunday

1. The promise of artificial intelligence in healthcare – Prof Enrico Coiera
2. The future of digital and AI technology – Dr Floris Jansen (GE Healthcare)
3. Aiming for precision medicine using radiomics and deep learning – Alanna Vial
4. Automated PET image analysis using deep learning – Dr Tyler Bradshaw
5. AI principles workshop – A/Prof Geoff Currie
6. Basics of python coding workshop – Hugo Currie

CT Course

1. Radiographic Principles - Johnathan Hewis
2. CT Instrumentation - Johnathan Hewis
3. Radiation Dosimetry – Craig Roberts
4. Dose Reduction Strategies – Craig Roberts
5. Head and Neck Protocols - Alex Magann
6. Chest and Abdomen Protocols - Alex Magann
7. Spine and Angiography Protocols - Alex Magann
8. CT Contrast – Johnathan Hewis
9. CT Reconstruction – Craig Roberts

Pharmacology Course

1. Principles of pharmacology – A/Prof Geoff Currie
2. Pharmacokinetics – A/Prof Geoff Currie
3. Renal & Biliary – A/Prof Geoff Currie
4. Nuclear cardiology – A/Prof Geoff Currie
5. CT & MRI contrast – A/Prof Geoff Currie

Program and speakers subject to change

Standard Registration

Registration fee includes:

- All program sessions
- Password login for virtual sessions
- Live streaming and live streamed discussion where available
- Access to all recorded sessions
- This form is for radiologists, physicians, nurses, radiographers, and nuclear medicine technologists who **DO NOT** need the CT training for the IA16D or pharmacology course.



Please check this box if you do not want your details made available to sponsors:

Please check this box if you do not want To join free RAINS membership:

Send a RAINS membership application with your registration form and get the member discount and have 2020 member fee included in your registration (www.rains.asn.au).

Tick Boxes * Early bird closes on 30/8/20	Member of RAINS	Non-Member	Undergraduate Student*
Early bird 2 day registration*	\$100 <input type="checkbox"/>	\$125 <input type="checkbox"/>	\$75 <input type="checkbox"/>
Standard 2 day registration	\$125 <input type="checkbox"/>	\$150 <input type="checkbox"/>	\$100 <input type="checkbox"/>
Saturday only	\$85 <input type="checkbox"/>	\$100 <input type="checkbox"/>	\$60 <input type="checkbox"/>
Sunday only	\$60 <input type="checkbox"/>	\$80 <input type="checkbox"/>	\$50 <input type="checkbox"/>
Tick which applies	Technologist <input type="checkbox"/>	Physician <input type="checkbox"/>	Other <input type="checkbox"/>

***Eligibility for student registration requires membership (free) to RAINS.**

Please provide a clear email address in order to receive communication and updates.

Questions or email rego form: gcurrie@csu.edu.au

Please return this form with payment to:
(cheque or money order made payable to 'ACE')
The Convenor, RAINS Conference
PO Box U102, CSU, Wagga Wagga 2678.

Your details:

Surname: _____ Given Name: _____

Organisation: _____

Email (clearly): _____

Telephone: _____

RAINS member yes / no

NSW Branch of ANZSNM member yes / no

Direct Deposit Payments:

Account name: ACE

BSB: 032769

Account number: 683329

Identifier: Your surname and initial

Please send completed registration form ASAP after direct deposit, and provide the date of direct deposit and amount.

Date of deposit:

Amount:

Confirm identifier:

Student? (circle) yes / no

Which Uni? _____

REGISTER FOR CT CREDENTIALING COURSE FOR IA16D LICENCE

Join the 500+ NMTs across Australia and NZ who have completed the RAINS CT course.

CT Certification Pathway

Approved by the NSW EPA (reciprocity confirmed in WA, ACT, QLD, Vic) in 2020 RAINS will re-run the CT certification course to gain licencing for NMTs for performing diagnostic CT (IA16D). CSU students now graduate with full CT certification so qualified practitioners need the opportunity to upgrade in a cost effective, flexible & convenient manner. Similar reciprocal arrangements have been negotiated locally in New Zealand and other states of Australia.

For those wishing to pursue the IA16D licence or equivalent in their state, the program comprises 3 components:

- 1). Self study module that will be completed in the months April – October 2020.
- 2). The face to face modules will be delivered as recorded presentations with virtual (Zoom) discussion.
- 3). A log book of the equivalent of 3 weeks full time supervised practice in diagnostic CT.

CT Certification Registration

Date cut-offs apply!

Please check this box if you do not want your details made available to sponsors:

Registration fee includes:

- Part 1 course material including notes, readings and textbook (while stocks last)
- Part 2 CT workshop sessions recorded
- Virtual discussion with presenters
- Part 3 log book
- Part 1 and part 2 examinations
- Certificate of completion (needed for NSW EPA)

Queries or questions?

Please contact Geoff Currie at: gcurrie@csu.edu.au

Send a RAINS membership application with your registration form and get the member discount and have 2020 member fee included in your registration (www.rains.asn.au).

Tick Appropriate Boxes	Standard Registrations (close 31 August 2020)	Early Bird (before 30 April 2020)
RAINS Member (part 1 and 2)	\$1000 <input type="checkbox"/>	\$900 <input type="checkbox"/>
Non Member (part 1 and 2)	\$1100 <input type="checkbox"/>	\$1000 <input type="checkbox"/>
2 day main symposium registration	\$125 <input type="checkbox"/>	\$100 <input type="checkbox"/>

Note that the virtual format allows CT Course participants to also register for the full RAINS symposium.

Please provide a clear postal (inc post code) & email address in order to receive part 1 and part 2 material and information.

Please return this form with payment to:

(cheque or money order made payable to 'ACE')
The Convenor, RAINS Conference
PO Box U102, CSU, Wagga Wagga 2678.

Your details:

Surname: _____ Given Name: _____

Organisation: _____

Postal Address (clearly): _____

Email (clearly): _____

Telephone: _____

RAINS member yes / no

Direct Deposit Payments:

Account name: ACE
BSB: 032769
Account number: 683329

Identifier: Your surname and initial

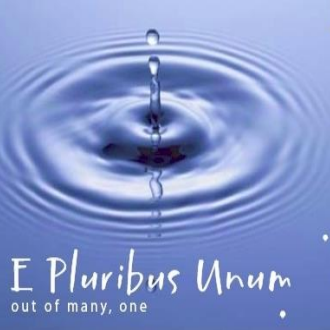
Please send completed registration form ASAP after direct deposit, and provide the date of direct deposit and amount.

Date of deposit:

Amount:

Conform identifier:

Confirm you are a registered (AHPRA) nuclear medicine technologist (circle) yes / no



RAINS and ANZSNM **PHARMACOLOGY COURSE**

Certificate Course

Activities with a foundation of pharmacology have been part of the scope of practice of nuclear medicine technologists and radiographers for many decades.

Radiopharmaceuticals, contrast, interventional medications, medication cessation, emergency trolley etc. AHPRA / MRPBA registration recognises that the capabilities are the minimum standard for entry and maintenance of registration and also represent our 'scope of practice'. This includes specific capabilities in domain 1.8:

- ***Apply knowledge of safe and effective use of medicines:***

- *Apply the principles of safe and effective use of medicines to practice.*
- *Recognise the risks, precautions and contraindications of the use of medicines, informed by the patient's/client's current pathology status.*
- *Apply knowledge of pharmacokinetics, pharmacodynamics and the potential range of reactions to medicines.*
- *Safely and effectively deliver medicine to patients/clients, in accordance with procedures.*
- *Actively monitor the effects of medication and manage adverse reactions to medicines, in accordance with protocols.*

This course aims to upskill MRTs to provide evidence for capabilities and comprises 3 components:

- 1). Self study module that will be completed in the months April – October 2020.
- 2). The 1 day equivalent delivered as recorded presentations.
- 3). Online exam and reflection on learning.

Note: Registration in the pharmacology course includes a discount for those that wish to also register for the main program.

Pharmacology Registration

Saturday Course

Registration fee includes:

- Part 1 course material including notes, readings and textbook
- Part 2 pharmacology recorded workshop sessions
- Discount for main program registration
- Examination and Certificate endorsed by RAINS and ANZSNM

Please check this box if you do not want your details made available to sponsors:

Queries or questions?

Please contact Geoff Currie at: gcurrie@csu.edu.au

Send a RAINS membership application with your registration form and get the member discount and have 2020 member fee included in your registration (www.rains.asn.au).

Check Appropriate Boxes	Standard Registrations (close 31 August 2020)	Early Bird (before 30 April 2020)
RAINS or ANZSNM Member (part 1 & 2)	\$350 <input type="checkbox"/>	\$250 <input type="checkbox"/>
Non Member (part 1 & 2)	\$450 <input type="checkbox"/>	\$350 <input type="checkbox"/>
2 day main symposium registration	\$125 <input type="checkbox"/>	\$100 <input type="checkbox"/>

Note that the virtual format allows pharmacology course participants to also register for the full RAINS symposium.

Please provide a clear email address in order to receive part 1 and part 2 material and information.

Please return this form with payment to:

(cheque or money order made payable to 'ACE')
The Convenor, RAINS Conference
PO Box U102, CSU, Wagga Wagga 2678.

Your details:

Surname: _____ Given Name: _____

Organisation: _____

Email (clearly): _____

Telephone: _____

Direct Deposit Payments:

Account name: ACE
BSB: 032769
Account number: 683329

Identifier: Your surname and initial

Please send completed registration form ASAP after direct deposit, and provide the date of direct deposit and amount.

Date of deposit:

Amount:

Conform identifier:

RAINS member yes / no

ANZSNM member yes / no

Please circle:

NMT or Radiographer