

# WHO Non-Governmental Organisations (NGOs) meeting facing COVID- 19 27<sup>th</sup> March 2020

ISRRT response – appropriate and safe use of radiation – with control of infection issues considered

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- Radiographers and RTs are first line staff
- Will involve all imaging modalities and in particular X-ray and CT with possibly US chest for quick review of lungs. All involving radiographers and support staff including Nuclear Medicine and MRI and Therapy
- Standard radiation protection rules will apply for imaging procedures
- Temporary imaging rooms consideration of physical barrier protection need for mobile lead screens
- Control of infection is the major consideration



#### Society of Radiographers resources:

- https://www.sor.org/practice/covid-19coronavirusinformation-and-resources
- https://www.sor.org/news/covid-19-irmer-update
- https://www.sor.org/news/covid-19-new-e-learning-resources

#### Free learning resources from Heath Education England

https://www.e-lfh.org.uk/programmes/coronavirus/



- Increasing use of mobile radiography as part of the diagnostic assessment for patients with respiratory symptoms and/or confirmed COVID-19
- Appropriate access to and training in the use of PPE for radiographers and equipment decontamination
- Radiographer first line image interpretation of CXRs and lungs on CT (chest and lung bases on abdominal imaging) to triage for an immediate clinical report, institute appropriate equipment cleaning and patient/staff PPE

SCoR UK resources

https://www.sor.org/news/covid-19-pandemic-summary-current-and-emerging-issuesradiographers



- Precautions against radiographers getting infected and/or spread the virus has to be top priority
- Separating if possible infected from non-infected
- Use of a mobile X-ray for infected patients in a temporary room applying control area distance and direction of the beam
- Separate CT scanner if possible for infected patients



- Clear rooms of all non essential accessories and equipment and no gonad shielding
- CT and X-ray rooms space out infected patients for 15 minutes to allow the air to be cleared
- Patient should wear a mask
- Need to form a joint WHO Task working group with ISRRT and other organisations to agree a strategy for air droplet precautions for all imaging procedures



#### ISRRT – COVID-19 Medical Imaging Check list – as 3.4.2020

Control of COVID- 19 Check List	Radiographer/RT	Patient	Equipment	Imaging Room or Mobile Imaging Environment
Preparation	Will imaging change management and/or could be delayed? Is mobile imaging (XR, US, CT or Gamma camera) an option Staff backup in case of AE-calls. Staff risk evaluation (pregnancy, immune, mental health concerns etc) Don PEE with all appropriate steps	Is it needed now or could this be delayed? Is mobile imaging possible? PPE during transfer to department when cannot be done mobile	Remove unnecessary equip from imaging room Could the examination be performed as a mobile??  Cover equipment that cannot be moved with suitable plastic	Remove unnecessary equip from imaging room Mobile??
During	Appropriate PPE Employ "clean technologist/dirty technologist" scenario Ensure single patient attendance to the Imaging department wherever possible to enable further imaging of this is required.	PPE, comfort, reassurance	Infection control and barrier precautions	Control access to imaging room or patient area during mobile radiography
Post procedure	Review of imaging by radiographer for suspicious features and organise additional imaging if required Doffing PPE equipment with all appropriate steps	PPE during transfer, rapid results to guide management	Appropriate decontamination including air exchange	Appropriate decontamination including air exchange

PPPE = Personal Protective Equipment, US = Ultrasound