



# EMERGENCY RADIOLOGY (European EDITION)

Spring 2020

European Society of Emergency Radiology

Welcome Emergency Radiology Enthusiasts!

- The European Society of Emergency Radiology (ESER) was established to promote enthusiasm for, and interest in, emergency imaging and to disseminate information relating to clinical, educational and research aspects of emergency radiology.
- This newsletter will update European based radiologists on the many Emergency Imaging activities available across the continent.

## Editorial

Dear readers,

This newsletter comes at the beginning of a time of global uncertainty, with what is likely to be the greatest peacetime challenge European health services have faced within our lifetimes. Hospitals are facing an unprecedented demand for critical care beds and ventilatory support equipment in combination with high levels of staff sickness and the need for self-isolation. Our Italian colleagues have been hit hardest so far however the pandemic has now reached all corners of Europe.

Radiology departments are on the front line of these challenging times with all staff in our departments having to adapt daily to the new challenges faced. Radiographers in particular are seeing a substantial demand for portable imaging and are selflessly rising to this challenge. Radiologists are adapting by increasing home reporting, running virtual clinics, remote MDTs and producing rapidly evolving local and national imaging guidelines. Training has been put on hold to ensure essential service provision with residents covering acute sessions only and even some junior trainees being redeployed into clinical medicine to support their colleagues on the wards and in emergency departments.

In this edition of the Newsletter we have included links to useful online resources related to COVID-19. Although this pandemic has brought unprecedented pressure to health care services we should also recognise the unique learning opportunity this pandemic has created. In addition to the clinical and radiological learning points there are unique learning opportunities in both resource management and major incident planning.

At this time of social distancing, online resources and social media are playing a key role in education and I would encourage people to share their learning experiences on your preferred platform.

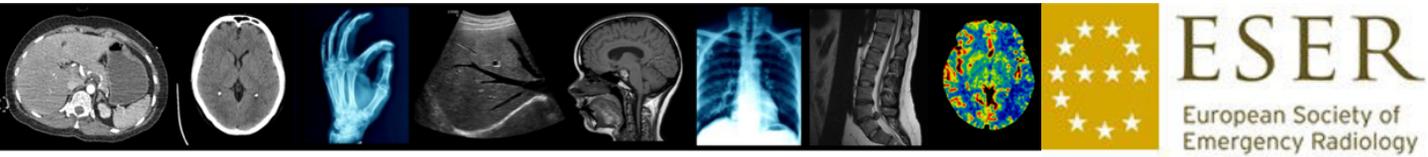
Thank you to all of the excellent staff within the health care services and particularly to those who are using their precious free time to produce some fantastic educational material.

Stay safe.

Dr Chris McLeavy (ESER Newsletter Editor).



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## ESER 2020

The ESER committee are pleased to announce that ESER 2020 is still planned for **Brussels**, Belgium 18-19<sup>th</sup> September 2020.

### Venue

The Free University of Brussels (VUB) will be providing a beautiful green venue just a few kilometres outside of the city centre which is served by great public transport links.

### Programme

- Multiple interactive lectures
- Internationally renowned speakers
- All body systems covered
- Bookable interactive workshops
- Scientific sessions

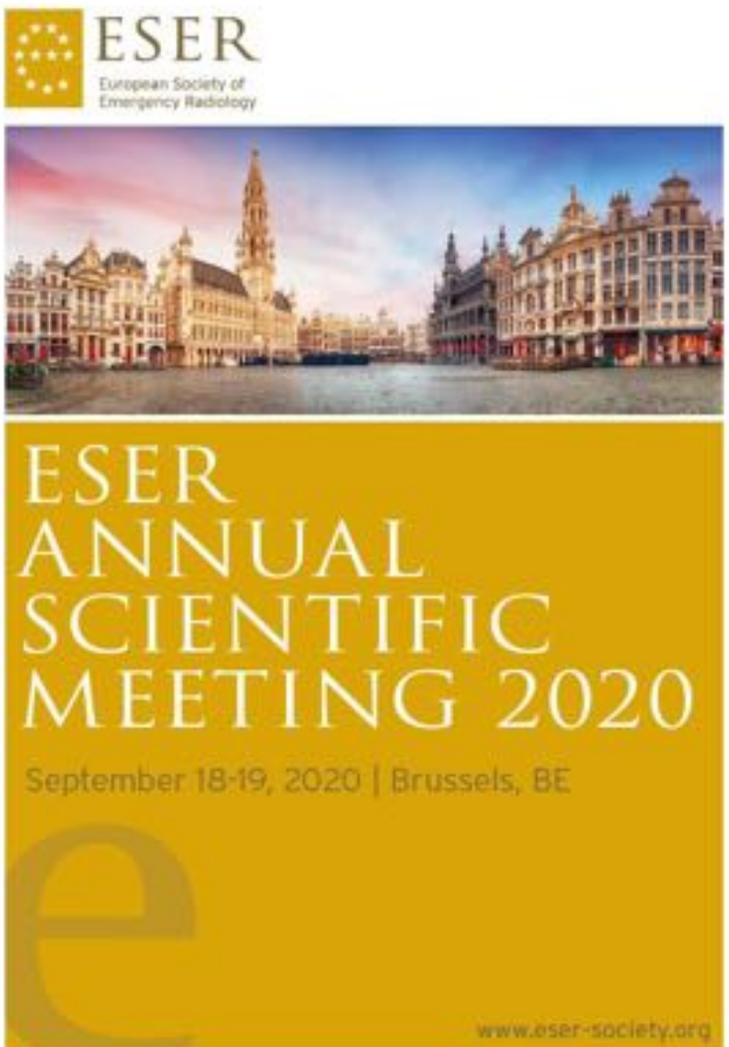
For the full programme visit - <https://www.eser-society.org/congress/>

### Registration

- Registration is now open!
- Book your place via the ESER website <https://www.eser-society.org/congress/>
- Discounted rates available for ESER members, residents, radiographers and students.
- Register before **16/08/20** for early discounted rate.

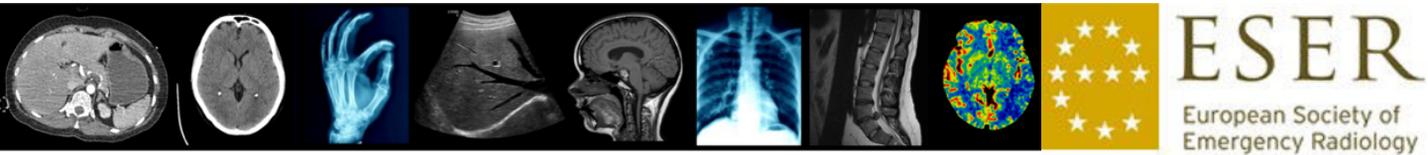
### Abstract Submission

- Abstract deadline **21/06/20**
- Posters
- Oral Presentation
- Case Reports
- Prizes!
  
- Submit your work at  
- <https://www.eser-society.org/congress/>



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## European Diploma in Emergency Radiology

Emergency imaging is a substantial proportion of most radiologist's workloads with accurate reports expected in a timely manner. Teaching and experience in emergency radiology varies across hospitals and countries. ESER aim to unify competencies in emergency radiology and have developed a curriculum to ensure safe certification of emergency radiology practitioners.

ESER is proud to have developed the **EDER** which provides **international recognition** of subspecialty training in Emergency Radiology which is endorsed by ESR.

For details of how to apply visit the ESER website <https://www.eser-society.org/eder/>

## ESER Webinars

ESER website has lots of webinars which are free to members (membership starts at just 20.00 Euros). All available on <https://www.eser-society.org/webinars/>

Webinars all begin at 18:00 CET (17:00 GMT) and future sessions include:

- March 31<sup>st</sup> 2020 – Part 1: **Diagnosis of Blunt Chest & Abdominal Trauma** with Dr Marc-Andre Weber (Germany).
- March 31<sup>st</sup> 2020 – Part 2: **Urological Trauma** with Dr Kristina Bath (Germany).
- April 21<sup>st</sup> 2020 – **Trauma in Pregnancy** with Dr Lina Padervinskiene (Lithuania)
- June 16<sup>th</sup> 2020 – Part 1: **Unexpected Causes of Abdominal Pain** with Dr Francesca Iacobellis (Italy)
- June 16<sup>th</sup> 2020 – Part 2: **Imaging of the Post-Op Biliary Patient** with Dr Giedre Kavaliauskiene (Norway)

## Free Access to ESR Online Education

- The European Society of Radiology (ESR) have made all of their educational material via the “ESR Connect” and Education On Demand” platforms **free** of the next 4 weeks. Sign up via - <https://connect.myesr.org> and <https://learn-myesr.talentlms.com/index>



## COVID-19 Specific Learning

- The European Society of Radiology (ESR) has a dedicated website for COVID-19 with links to educational material - <https://www.myesr.org/covid-19-resources>
- Prof Nicola Sverzellati from the University of Parma, Italy gave a free live webinar on her experiences of COVID-19. Available at - <http://www.myesr.link/Mailings/LiveFromParmaMarch25>
- The Italian Society of Radiology has a great archive of COVID-19 cases and educational material - <https://www.sirm.org/en/>
- The European Respiratory Society (ERS) have updated COVID-19 clinical guidelines - <https://www.ersnet.org/the-society/news/novel-coronavirus-outbreak-update-and-information-for-healthcare-professionals>
- The German Radiology Society has a dedicated website for COVID-19 resources - <https://www.drgakademie.de/de-DE/6030/akademie-online-spezial-18-03-2020-covid-19-was-der-radiologe-wissen-muss/>
- The Radiology Society of North America (RSNA) and Radiographics have published papers on COVID-19. Use the search function on the RSNA website to read more - <https://www.rsna.org/news>
- The Royal College of Radiologists (RCR) has a dedicated website for COVID-19 with links to educational material - <https://www.rcr.ac.uk/college/coronavirus-covid-19-what-rcr-doing/coronavirus-covid-19-resources>
- The American Society of Radiology have produced imaging guidance for COVID-19 patients - <https://www.acr.org/Advocacy-and-Economics/ACR-Position-Statements/Recommendations-for-Chest-Radiography-and-CT-for-Suspected-COVID19-Infection>



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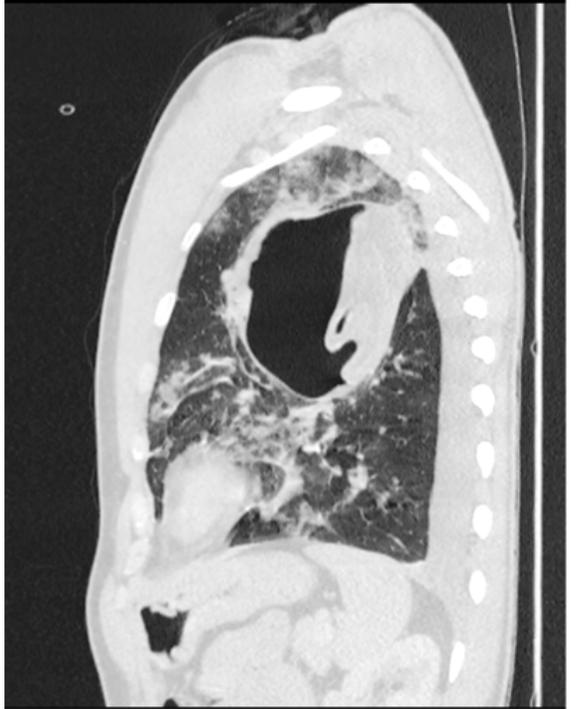
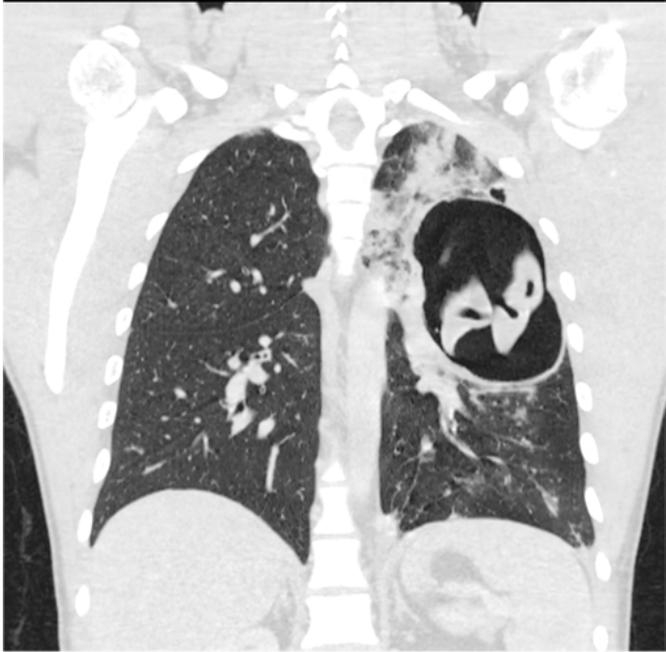
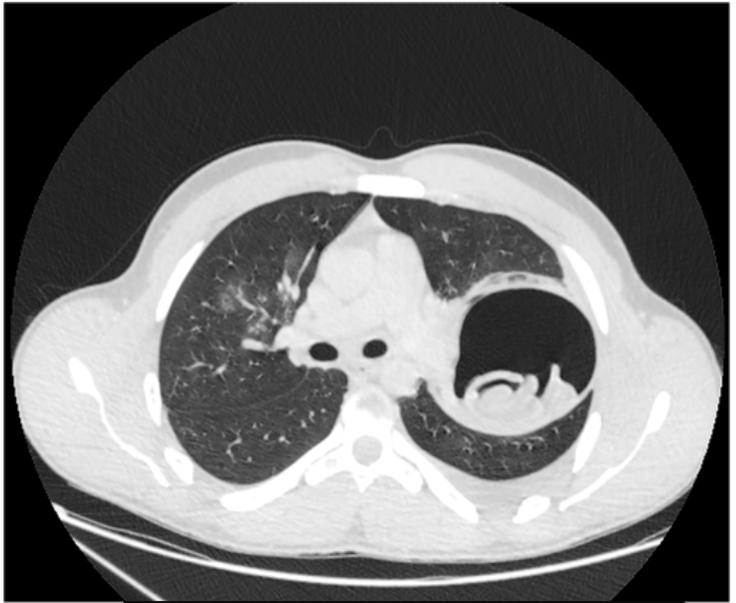
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## Interesting Case

46 year old female from the south of France presents with a few months history of weight loss, fatigue, progressive shortness of breath and a more recent cough productive of a thin membranous material. Initial chest radiograph was performed with a subsequent CT of the thorax and upper abdomen.

Describe the imaging findings.

What is the most likely diagnosis? (Clue: It is not COVID-19)



For more information - <https://radiopaedia.org/articles/pulmonary-hydatid-infection?lang=gb>

- Wide geographical distribution but common around the Mediterranean
- Caused by tape-worm infection
- Lung involvement is 2<sup>nd</sup> only to hepatic involvement
- collapsed hydatid cysts.
- The history of coughing up thin, membranous, "grape-skin like" material is also classically described in CT appearances are classical of the Water Lilly Sign.

### Facts:

**Diagnosis** – Pulmonary Hydatid Disease.

peripheral calcification can be seen in this folded material. Consolidation is seen surrounding the cavity.

material which have collapsed away from the walls of the cavity into its dependant portion. Some

**CT Chest** – there is a large cavitating lesion involving the left lung. There are folds of soft tissue density left mid-zone which demonstrates an air crescent sign and soft tissue density material within the cavity.

**Plain Radiograph** - there is volume loss in the left hemithorax with a large cavitating lesion centred in the



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