Preface

The World Health Organization (WHO) classified with 30.01.2020 the new virus as “2019-nCoV acute respiratory disease” and declared the disease in its situation report #51 as pandemic with 11.03.2020. Since these times our daily working routine and lives have changed dramatically to prevent infection with the virus and to keep our life safe and healthy.

For this purpose a lot of different regulations, safety issues, guidelines and information have been published worldwide from different bodies to support us within our medical work or in our daily life. In the following ECMUS compiled a collection of mainly European resources on information to support safe performance of ultrasound scans and related disinfection issues regarding COVID-19 for our colleagues.

ECMUS position is fully in agreement with the safety committees of WFUMB (WFUMB Position Paper) and ISUOG (ISUOG Position Statement).

For a better navigation the information has been categorised:

Organisations
European Centre for Disease Prevention and Control
Robert-Koch Institut (RKI)
World Health Organization

Ultrasound specific applications

Ultrasound in general
WFUMB - WFUMB Position Statement: How to perform a safe ultrasound examination and clean equipment in the context of COVID-19
ISRRT - COVID-19 Pandemic - Full Guideline for Protective Measures
ISRRT - COVID-19 Pandemic - Quick Guide for Protection Measures
SOR - Ultrasound

Lung ultrasound
BMUS - Lung Ultrasound Guidance
BMUS - Lung Ultrasound Top Tips Poster
DEGUM - COVID-19-Pneumonie mit Lungenultraschall schnell erkennen und Klinikpersonal schützen [available in German only]
DEGUM - Vorschlag eines standardisierten Lungen-Ultraschallprotokolls in den Zeiten von COVID-19 [available in German only]
EFSUMB - Lung Ultrasound in COVID-19 Webinar
ÖGUM - COVID-19 Lungenultraschall Protokoll [available in German only]
Best Practice Recommendations for Point-of-Care-Lung-Ultrasound in Patients with suspected Covid-19
Desinfection of system, environment & Personal Protective Equipment (PPE)

BMUS - Ultrasound Transducer decontamination
WFUMB - WFUMB Position Paper
ISUOG – Webinar - How to prepare your unit for Coronavirus
ECDC - Infection prevention and control and preparedness for COVID-19 in healthcare settings
ECDC - Cloth masks and mask sterilisation as options in case of shortage of surgical masks and respirators
ECDC - Disinfection of environments in healthcare and non-healthcare settings potentially contaminated with SARS-CoV-2
NEJM - Aerosol and Surface Stability of SARS-CoV-2 as Compared with SARS-CoV-1
PHE – Good infection prevention practice – using ultrasound gel
SOR - Cleaning and decontamination of equipment
SOR - Personal Protective Equipment (PPE)
SOR - Contact with infected patients or suspected cases
SOR - Infection prevention and control responsibilities

Education, Teaching, Sonographers, others

SOR - Student dos and don'ts during Covid-19
BMUS - FAQs for sonographers

Patient information

ISUOG – Pregnant patient information
ECDC - Information leaflet template on COVID-19

Abbreviations

BMUS The British Medical Ultrasound Society
DEGUM Deutsche Gesellschaft für Ultraschall in der Medizin
ECDC European Centre for Disease Prevention and Control
ISRRT International Society of Radiographers & Radiological Technologists
ISUOG International Society of Ultrasound in Obstetrics and Gynecology
NEJM New England Journal of Medicine
ÖGUM Österreichische Gesellschaft für Ultraschall in der Medizin
PHE Public Health England
SOR The Society of Radiographers, UK
WFUMB- World Federation for Ultrasound in Medicine and Biology
WHO World Health Organization

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