



European Head & Neck Society

OCT 14-15TH 2022

AI MEETS HEAD & NECK ONCOLOGY



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AI MEETS HEAD & NECK ONCOLOGY

oct 14-15th 2022



Dear Participants,

We would like to welcome you to the first meeting of the European Head and Neck Society (EHNS) on Artificial Intelligence (AI) in Head & Neck Oncology.

The meeting will focus on Artificial Intelligence and its impact on health care in general, cancer prevention, robotic surgery, radiotherapy, pathology, radiology, and the development of systemic treatment for head and neck cancers.

On the first day, we will address «safety issues» of AI for health care in general, and afterwards move to AI in cancer prevention, endoscopy, and robotics. On this day we will finish with an exciting discussion of head and neck oncology experts on where to take AI in head and neck oncology in the future.

On the second day we will address AI in radiation therapy and pathology, followed by AI for imaging and drug development. At the end of the second day, we will discuss during a round table, how AI could improve systemic head and neck cancer treatment in the future.

We all look forward seeing you in Lausanne in October.

Many thanks in advance.

Yours sincerely,

Course Director
Christian Simon, M.D.

Professor and Chairman
Department of Otolaryngology,
Head and Neck Surgery, CHUV
University of Lausanne - Switzerland

Check the link for more information :
<https://aimeetingehns.aio-events.com>





AI MEETS HEAD & NECK ONCOLOGY

The scientific committee



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Aarhus - Denmark



SUCCO Giovanni,

Dpt of Otolaryngology - H&N Surgery University of Turin
Turin - Italy



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DAY 1 : oct 14th 2022



08:15 Introduction to the meeting
Wojciech Golusinski, Christian Simon

08:30 - 09:00 To get a first taste: Demonstration on AI-supported radiographic image analysis : The case of delineation
Stine Korremann

"Safe" AI for health care
Moderators : Wojciech Golusinski, Hisham Mehanna (TBC)

09:00 - 10:30 Keynote lectures:
- *Understanding AI and its impact on health care*
Alan Tucker
- *The most promising AI-solutions for health care*
TBD
- *How to make AI for head and neck oncology „safe“ and „transparent“ in the future*
Mathis Rasmussen

10:45 - 12:15 Submitted papers:
Each presentation 8 min (5 presentations)
Moderators: Piero Nicolai (TBC), Chris Holsinger

Lunch

AI in cancer prevention, endoscopy, and robotics
Moderators: Giovanni Succo (TBC), Cesare Piazza (TBC)

13:30 - 15:00 Keynote lectures:
- *AI and HN cancer prevention/early diagnosis*
Cesare Piazza (TBC)
- *AI solutions for robotic surgery*
TBD
- *AI for head and neck surgery, including endoscopic and robotic approaches: On our way to the „intelligent“ surgeon?*
Ferdinando Rodriges

Coffee Break

16:00 - 17:30 Round table:
Where to take AI in HN oncology in the future (5 min short talk of every participant with consecutive discussion)
Moderator: Wojciech Golusinski
Stine Korremann, Jesper Erikson, Christian Simon, Marcel Salathé,
Ana Castro, Alan Tucker, Chris Holsinger



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DAY 2 : oct 15th 2022



AI in radiation therapy and pathology
Moderators: Jesper Erikson, Keith Hunter (TBC)

09:00 - 10:30 Keynote lectures

- *AI for head and neck radiation therapy: New avenues of delineation, planning and dose adaptation*
Stine Korremann
- *Available AI support systems for radiation planning*
TBD
- *AI and applications in pathology*
Faisal Mahmood

10:45 - 12:15 Submitted papers

Moderators: Vinidh Paleri, Sefik Hosal
Each presentation 15 min (5 presentations)

Lunch

AI for image analysis and drug development
Moderators: TBD

13:30 - 14:30 Keynote lectures:

- *AI for head and neck imaging: Will we soon replace our radiologist?*
Vishal Gupta
- *AI for head and neck systemic treatment: The dream of „intelligent“ drug targeting*

14:30 - 17:00 Round table:

How can AI be applied in clinical trials and improve systemic treatment
(5 min short talk of every participant with consecutive discussion)
Moderator: Ana Castro
Christophe Le Tourneau, Ana Castro, Hisham Mehanna (TBC), Piero Nicolai (TBC)

