

International Guideline Harmonization Group Meeting

19 June 2025 Seattle

Agenda

12.45 – 12.50	Melissa Hudson	Welcome
12.50 – 13.10	Elvira van Dalen	Methodology & guidelines in progress
13.10 – 13.35	Kiri Ness	Health promotion
13.35 – 13.55	Monica Muraca	Update premature ovarian insufficiency surveillance
13.55 – 14.10	Matt Ehrhardt	ARIA survivorship care guidelines
14.10 – 14.15	Leontien Kremer	Closing remarks

Published guidelines

- Secondary breast cancer (TLO 2013; JCO 2020)
- Cardiomyopathy (TLO 2015; TLO 2023)
- Premature ovarian insufficiency (JCO 2016)
- Male gonadotoxicity (TLO 2017)
- Secondary thyroid cancer (Cancer Treat Rev 2018)
- Ototoxicity (TLO 2019)
- Cancer-related fatigue (JCS 2020)
- Obstetric care (AJOG 2021)
- Subsequent CNS neoplasms (TLO 2021)
- Fertility preservation (TLO 2021)
- Coronary artery disease (EJC, 2021)
- Bone mineral density (TLDE 2022)

- Hepatic toxicity (Cancer Treat Rev 2022)
- Mental health problems (TLO 2022)
- Education and employment outcomes (Cancer 2022)
- Hypothalamic-pituitary dysfunction (Endocrine Reviews 2022)
- Dexrazoxane cardioprotection (TLO 2023)
- Pulmonary dysfunction (eClinicalMedicine 2024)
- Metabolic syndrome (Eur J Endocrinol 2025)
- Nephrotoxiticy (JCO 2025)
- Anthracycline equivalence dose for cardiotoxicity (JACC: CardioOncology 2025)

Guidelines in progress

Guidelines in manuscript phase

- Breast cancer after anthracyclines
- Subsequent colorectal cancer
- Splenic dysfunction
- Health promotion

Ongoing guidelines

- Premature ovarian insufficiency (update)
- Growth hormone replacement
- Neurocognitive problems
- Primary thyroid dysfunction
- Osteonecrosis
- Dyslipidemia
- Dexrazoxane cardioprotection mitoxantrone

IGHG's methodology

Guideline development process

- Step 1 Determine concordances and discordances among existing guidelines
- **Step 2** Formulate **clinical questions** based on discordant guideline areas
- **Step 3 Identify** available **evidence** for formulated clinical questions
- **Step 4 Summarize evidence** in evidence tables and appraise quality of evidence using GRADE
- **Step 5** Formulate recommendations according to the evidence, clinical considerations, and patient values

GRADE levels of evidence

⊕⊕⊕⊕ HIGH	Further research is unlikely to change the confidence in the estimate of effect
⊕⊕⊕⊖ MODERATE	Further research is likely to have an important impact on the confidence in the estimate of effect and may change the estimate
⊕⊕⊖⊖ LOW	Further research is very likely to have an important impact on the confidence in the estimate of effect and is likely to change the estimate
⊕⊖⊖ VERY LOW	Any estimate of effect is very uncertain.

Recommendations

STRONG recommendation "is recommended"

MODERATE recommendation "is reasonable"

NOT TO DO recommendation "is not recommended"

Update of ongoing guidelines

Ongoing guidelines

- Growth hormone replacement
- Neurocognitive problems
- Primary thyroid dysfunction
- Osteonecrosis
- Dyslipidemia
- Dexrazoxane cardioprotection mitoxantrone
- Premature ovarian insufficiency (update)

Growth hormone replacement

Chairs: Hanneke van Santen, Wassim Chemaitilly, Simon Bailey

Coordinators: Laura van Iersel, Jiska van Schaik

Aim:

To formulate recommendations for the use of growth hormone in CAYA cancer patients and survivors and CAYA with cancer predisposition syndromes

Outcomes:

Effects of growth hormone replacement on:

- Tumor progression or recurrence
- Mortality
- Subsequent neoplasms
- Other side effects

Current situation: formulation of recommendations nearly final (step 5)

Neurocognitive problems

Chair: Kevin Krull

Coordinator: Chiara Papini

Aim:

To formulate recommendations for surveillance of neurocognitive problems in CAYA cancer survivors

Outcomes:

IQ, attention, memory, processing speed, visual-motor integration, fine motor skills, executive functions, language, academic abilities

Current situation:

Preparing the Summary of Findings tables/GRADE assessment (step 4)

Primary thyroid dysfunction

Chairs: Hanneke van Santen, Paul Nathan, Sarah Clement

Coordinators: Marta Panciroli and Stephanie van der Leij

Aim:

To formulate recommendations for primary thyroid dysfunction surveillance in CAYA cancer survivors

Outcomes:

Primary thyroid dysfunction, defined as the presence of:

- primary hyperthyroidism
- primary hypothyroidism

Current situation:

Identifying the available evidence (step 3)

Osteonecrosis

Chairs: Marry van den Heuvel and Lynda Vrooman

Coordinators: Demi de Winter and Emma Verwaaijen

Aim:

To formulate recommendations for surveillance and management of osteonecrosis during and after treatment for CAYA cancer

Outcomes:

- Symptomatic osteonecrosis
- Asymptomatic osteonecrosis

Current situation:

Identifying the available evidence (step 3)

Dyslipidemia

Chairs: Maria Otth and Emily Tonorezos

Coordinator: Krystyna Lange

Aim:

To formulate recommendations for dyslipidemia surveillance in CAYA cancer survivors

Outcomes:

Dyslipidemia

Current situation:

- Formulation of the clinical questions and selection criteria (step 2)
- Preparing the search strategy for PubMed/MEDLINE (step 3)

Dexrazoxane cardioprotection mitoxantrone

Chairs: Annelies Mavinkurve-Groothuis, Saro Armenian, Elvira van Dalen

Coordinator: -

Aim:

To formulate recommendations for primary cardioprotection with dexrazoxane in CAYA with cancer who are expected to receive mitoxantrone.

Outcomes:

- Cardiotoxicity (clinical heart failure and subclinical myocardial dysfunction)
- Tumor response, progression free survival and overall survival/mortality
- Adverse effects other than cardiac damage, including secondary neoplasms
- Quality of life

Current situation:

Finalization of the Summary of Findings tables/GRADE assessment and the conclusions of evidence (step 4)



International Guideline Harmonization Group Meeting Closing remarks

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Future topics

- Metabolic syndrome components:
 - hypertension
 - obesity
 - diabetes
- Stroke
- Update male gonadotoxicity surveillance
- Update secondary thyroid cancer
- Fertility preservation for survivors
- Risk stratification follow-up care
- Neurovascular problems
- Melanoma and non-melanoma skin cancer

- Other subsequent neoplasms
- Dental abnormalities / oral health care management
- Eye abnormalities
- Arrythmias, cardiac valvular abnormalities, pericardial disease
- Sexual health
- Risk of congenital abnormalities in offspring

Resources

Resources

- www.ighg.org
- Handbook for guideline development
- IGHG publications
- Interested? Email Renée Mulder (<u>r.l.mulder@prinsesmaximacentrum.nl</u>)

Thanks to

Core group

Melissa Hudson

Leontien Kremer

Renée Mulder

Elvira van Dalen

Rod Skinner

Saro Armenian

Smita Bhatia

Louis Constine

Lars Hjorth

Wendy Landier

Gill Levitt

Kevin Oeffinger

Hamish Wallace

>500 guideline panel members