

### **IGHG Breast cancer surveillance recommendations**

Mulder RL, Hudson MM, Bhatia S, Landier W, Levitt G, Constine LS, Wallace WH, van Leeuwen FE, Ronckers CM, Henderson TO, Moskowitz CS, Friedman DN, Ng AK, Jenkinson HC, Demoor-Goldschmidt C, Skinner R, Kremer LCM, Oeffinger KC. Updated Breast Cancer Surveillance Recommendations for Female Survivors of Childhood, Adolescent, and Young Adult Cancer From the International Guideline Harmonization Group. *J Clin Oncol.* 2020 10;38(35):4194-4207.

### **IGHG Central nervous system neoplasm surveillance recommendations**

Bowers DC, Verbruggen LC, Kremer LCM, Hudson MM, Skinner R, Constine LS, Sabin ND, Bhangoo R, Haupt R, Hawkins MM, Jenkinson H, Khan RB, Klimo P Jr, Pretorius P, Ng A, Reulen RC, Ronckers CM, Sadighi Z, Scheinemann K, Schouten-van Meeteren N, Sugden E, Teepeen JC, Ullrich NJ, Walter A, Wallace WH, Oeffinger KC, Armstrong GT, van der Pal HJH, Mulder RL. Surveillance for subsequent neoplasms of the CNS for childhood, adolescent, and young adult cancer survivors: a systematic review and recommendations from the International Late Effects of Childhood Cancer Guideline Harmonization Group. *Lancet Oncol.* 2021 May;22(5):e196-e206.

### **IGHG Thyroid cancer surveillance recommendations**

Clement SC, Kremer LCM, Verburg FA, Simmons JH, Goldfarb M, Peeters RP, Alexander EK, Bardi E, Brignardello E, Constine LS, Dinauer CA, Drozd VM, Felicetti F, Frey E, Heinzl A, van den Heuvel-Eibrink MM, Huang SA, Links TP, Lorenz K, Mulder RL, Neggers SJ, Nieveen van Dijkum EJM, Oeffinger KC, van Rijn RR, Rivkees SA, Ronckers CM, Schneider AB, Skinner R, Wasserman JD, Wynn T, Hudson MM, Nathan PC, van Santen HM. Balancing the benefits and harms of thyroid cancer surveillance in survivors of Childhood, adolescent and young adult cancer: Recommendations from the international Late Effects of Childhood Cancer Guideline Harmonization Group in collaboration with the PanCareSurFup Consortium. *Cancer Treatment Reviews* 2018;63:28-39.

### **IGHG Cardiomyopathy surveillance recommendations**

Armenian SH, Hudson MM, Mulder RL, Chen MH, Constine LS, Dwyer M, Nathan PC, Tissing W, Shankar S, Sieswerda E, Skinner R, Steinberger J, van Dalen EC, van der Pal HJ, Wallace WH, Levitt G, Kremer LCM. Recommendations for cardiomyopathy surveillance for survivors of childhood cancer: a report from the International Late Effects of Childhood Cancer Guideline Harmonization Group. *The Lancet Oncology* 2015;16:e123-136.

### **IGHG Premature ovarian insufficiency surveillance recommendations**

van Dorp W, Mulder RL, Kremer LC, Hudson MM, van den Heuvel-Eibrink MM, van den Berg MH, Levine JM, van Dulmen-den Broeder E, di Iorgi N, Albanese A, Armenian SH, Bhatia S, Constine LS, Corrias A, Deans R, Dirksen U, Gracia CR, Hjorth L, Kroon L, Lambalk CB, Landier W, Levitt G, Leiper A, Meacham L, Mussa A, Neggers SJ, Oeffinger KC, Revelli A, van Santen HM, Skinner R, Toogood A, Wallace WH, Haupt R. Recommendations for Premature Ovarian Insufficiency Surveillance for Female Survivors of Childhood, Adolescent, and Young Adult Cancer: A Report From the International Late Effects of Childhood Cancer Guideline Harmonization Group in Collaboration With the PanCareSurFup Consortium. *Journal of Clinical Oncology* 2016;34:3440-3450.

### **IGHG Male gonadotoxicity surveillance recommendations**

Skinner R, Mulder RL, Kremer LCM, Hudson MM, Constine LS, Bardi E, Boekhout A, Borgmann-Staudt A, Brown MC, Cohn R, Dirksen U, Giwerzman A, Ishiguro H, Jahnukainen K, Kenney LB, Loonen JJ,

Meacham L, Neggers S, Nussey S, Petersen C, Shnorhavorian M, van den Heuvel MM, van Santen HM, Green DM. Recommendations for gonadotoxicity surveillance for male childhood, adolescent and young adult cancer survivors: A report from the International Late Effects of Childhood Cancer Guideline Harmonization Group in collaboration with the PanCareSurFup Consortium. *Lancet Oncology* 2017;18:e75-e90.

### **IGHG Ototoxicity surveillance recommendations**

Clemens E, van den Heuvel-Eibrink MM, Mulder RL, Kremer LCM, Hudson MM, Skinner R, Constine LS, Bass JK, Kuehni CE, Langer T, van Dalen EC, Bardi E, Bonne NX, Brock PR, Brooks B, Carleton B, Caron E, Chang KW, Johnston K, Knight K, Nathan PC, Orgel E, Prasad PK, Rottenberg J, Scheinemann K, de Vries ACH, Walwyn T, Weiss A, Am Zehnhoff-Dinnesen A, Cohn RJ, Landier W; International Guideline Harmonization Group ototoxicity group. Recommendations for ototoxicity surveillance for childhood, adolescent, and young adult cancer survivors: a report from the International Late Effects of Childhood Cancer Guideline Harmonization Group in collaboration with the PanCare Consortium. *The Lancet Oncology* 2019;20:e29-e41

### **IGHG Obstetric care recommendations: Counseling and surveillance in pregnancy**

van der Kooi ALF, Mulder RL, Hudson MM, Kremer LCM, Skinner R, Constine LS, van Dorp W, van Dulmen-den Broeder E, Falck-Winther J, Wallace WH, Waugh J, Woodruff TK, Anderson RA, Armenian SH, Bloemenkamp KWM, Critchley HOD, Demoor-Goldschmidt C, Ehrhardt MJ, Green DM, Grobman WA, Iwahata Y, Krishna I, Laven JSE, Levitt G, Meacham LR, Miller ES, Mulders A, Polanco A, Ronckers CM, Samuel A, Walwyn T, Levine JM, van den Heuvel-Eibrink MM. Counseling and surveillance of obstetrical risks for female childhood, adolescent, and young adult cancer survivors: recommendations from the International Late Effects of Childhood Cancer Guideline Harmonization Group. *American Journal of Obstetrics & Gynecology* 2020:S0002-9378(20)30614-1.

### **IGHG Cancer-related fatigue surveillance recommendations**

Christen S, Roser K, Mulder RL, Ilic A, Lie HC, Loonen JJ, Mellblom AV, Kremer LCM, Hudson MM, Constine LS, Skinner R, Scheinemann K, Gilleland Marchak J, Michel G; IGHG psychological late effects group. Recommendations for the surveillance of cancer-related fatigue in childhood, adolescent, and young adult cancer survivors: a report from the International Late Effects of Childhood Cancer Guideline Harmonization Group. *Journal of Cancer Survivorship* 2020;14:923–938.

### **IGHG Surveillance of education and employment outcomes recommendations**

Devine KA, Christen S, Mulder RL, Brown MC, Ingerski LM, Mader L, Potter E, Sleurs C, Viola A, Waern S, Constine LS, Hudson MM, Kremer LCM, Skinner R, Michel G, Gilleland Marchak J, Schulte F on behalf of the IGHG psychological late effects group. Recommendations for the surveillance of education and employment outcomes in survivors of childhood, adolescent and young adult cancer: A Report from the International Late Effects of Childhood Cancer Guideline Harmonization Group. *Cancer* 2022; 128:2405-2419.

### **IGHG Mental health problems surveillance recommendations**

Gilleland Marchak J, Christen S, Mulder RL, Baust K, Blom JMC, Brinkman TM, Elens I, Harju E, KadanLottick NS, Khor JWT, Lemiere J, Recklitis C, Wakefield CE, Wiener L, Constine LS, Hudson MM, Kremer LCM, Skinner R, Vetsch J, Lee J, Michel G on behalf of the IGHG psychological late effects group. Recommendations for the surveillance of mental health problems in childhood, adolescent

and young adult cancer survivors: a report from the International Late Effects of Childhood Cancer Guideline Harmonization Group. *Lancet Oncol* 2022;23:e184-96.

### **IGHG Coronary artery disease surveillance recommendations**

van Dalen EC, Mulder RL, Suh E, Ehrhardt MJ, Aune GJ, Bardi E, Benson BJ, Bergler-Klein J, Chen MH, Frey E, Hennewig U, Lockwood L, Martinsson U, Muraca M, van der Pal HJ, Plummer C, Scheinemann K, Schindera C, Tonorezos ES, Wallace WH, Constine LS, Skinner R, Hudson MM, Kremer LCM, Levitt G, Mulrooney DA. Coronary artery disease surveillance among childhood, adolescent, and young adult cancer survivors: a systematic review and recommendations from the International Late Effects of Childhood Cancer Guideline Harmonization Group. *Eur J Cancer* 2021;156:127-137.

### **IGHG Hypothalamic-pituitary dysfunction surveillance recommendations**

van Iersel L, Mulder RL, Denzer C, Cohen LE, Spoudeas HA, Meacham LR, Sugden E, Schouten-van Meeteren AYN, Hoving EW, Packer RJ, Armstrong GT, Mostoufi-Moab S, Stades AM, van Vuurden D, Janssens GO, Thomas-Teinturier C, Murray RD, Di Iorgi N, Neggers SJCMM, Thompson J, Toogood AA, Gleeson H, Follin C, Bardi E, Torno L, Patterson B, Morsellino V, Sommer G, Clement SC, Srivastava D, Kiserud CE, Fernandez A, Scheinemann K, Raman S, Yuen KCJ, Wallace WH, Constine LS, Skinner R, Hudson MM, Kremer LCM, Chemaitilly W, van Santen HM. Hypothalamic-Pituitary and Other Endocrine Surveillance Among Childhood Cancer Survivors. *Endocr Rev* 2021:bnab040

### **IGHG Bone mineral density surveillance recommendations**

van Atteveld JE, Mulder RL, van den Heuvel-Eibrink MM, Hudson MM, Kremer LCM, Skinner R, Wallace WH, Constine LS, Higham CE, Kaste SC, Niinimäki R, Mostoufi-Moab S, Alos N, Fintini D, Templeton KJ, Ward LM, Frey E, Franceschi R, Pavasovic V, Karol SE, Amin NL, Vrooman LM, HarilaSaari A, Demoor-Goldschmidt C, Murray RD, Bardi E, Lequin MH, Faienza MF, Zaikova O, Berger C, Mora S, Ness KK, Neggers SJCMM, Pluijijm SMF, Simmons JH, Di Iorgi N. Bone mineral density surveillance for childhood, adolescent, and young adult cancer survivors: evidence-based recommendations from the International Late Effects of Childhood Cancer Guideline Harmonization Group. *Lancet Diabetes Endocrinol* 2021;9:622-637.

### **IGHG Hepatic toxicity surveillance recommendations**

Bardi E, Mulder RL, van Dalen EC, Bhatt NS, Ruble KA, Burgis J, Castellino SM, Constine LS, den Hoed CM, Green DM, Koot BGP, Levitt G, Szonyi L, Wallace WH, Skinner R, Hudson MM, Kremer LCM, Effinger KE, Bresters D. Late hepatic toxicity surveillance for survivors of childhood, adolescent and young adult cancer: Recommendations from the international late effects of childhood cancer guideline harmonization group. *Cancer Treat Rev* 2021;100:102296.

### **Recommendations for reproductive fertility preservation for female CAYA cancer patients**

Mulder RL, Font-Gonzalez A, Hudson MM, van Santen HM, Loeffen EAH, Burns KC, Quinn GP, van Dulmen-den Broeder E, Byrne J, Haupt R, Wallace WH, van den Heuvel-Eibrink MM, Anazodo A, Anderson RA, Barnbrock A, Beck JD, Bos AME, Demeestere I, Denzer C, Di Iorgi N, Hoefgen HR, Kebudi R, Lambalk C, Langer T, Meacham LR, Rodriguez-Wallberg K, Stern C, Stutz-Grunder E, van Dorp W, Veening M, Veldkamp S, van der Meulen E, Constine LS, Kenney LB, van de Wetering MD, Kremer LCM, Levine J, Tissing WJE; PanCareLIFE Consortium. Fertility preservation for female patients with childhood, adolescent, and young adult cancer: recommendations from the PanCareLIFE Consortium and the International Late Effects of Childhood Cancer Guideline Harmonization Group. *Lancet Oncol.* 2021;22(2):e45-e56.

### **Recommendations for reproductive fertility preservation for male CAYA cancer patients**

Mulder RL, Font-Gonzalez A, Green DM, Loeffen EAH, Hudson MM, Loonen J, Yu R, Ginsberg JP, Mitchell RT, Byrne J, Skinner R, Anazodo A, Constine LS, de Vries A, Jahnukainen K, Lorenzo A, Meissner A, Nahata L, Dinkelman-Smit M, Tournaye H, Haupt R, van den Heuvel-Eibrink MM, van Santen HM, van Pelt AMM, Dirksen U, den Hartogh J, van Dulmen-den Broeder E, Wallace WH, Levine J, Tissing WJE, Kremer LCM, Kenney LB, van de Wetering MD; PanCareLIFE Consortium. Fertility preservation for male patients with childhood, adolescent, and young adult cancer: recommendations from the PanCareLIFE Consortium and the International Late Effects of Childhood Cancer Guideline Harmonization Group. *Lancet Oncol.* 2021;22(2):e57-e67

### **Recommendations regarding ongoing communication and ethical considerations for fertility preservation for patients with CAYA cancer**

Mulder RL, Font-Gonzalez A, van Dulmen-den Broeder E, Quinn GP, Ginsberg JP, Loeffen EAH, Hudson MM, Burns KC, van Santen HM, Berger C, Diesch T, Dirksen U, Giwercman A, Gracia C, Hunter SE, Kelvin JF, Klosky JL, Laven JSE, Lockart BA, Neggers SJCMM, Peate M, Phillips B, Reed DR, Tinner EME, Byrne J, Veening M, van de Berg M, Verhaak CM, Anazodo A, Rodriguez-Wallberg K, van den Heuvel-Eibrink MM, Asogwa OA, Brownsdon A, Wallace WH, Green DM, Skinner R, Haupt R, Kenney LB, Levine J, van de Wetering MD, Tissing WJE, Paul NW, Kremer LCM, Inthorn J; PanCareLIFE Consortium. Communication and ethical considerations for fertility preservation for patients with childhood, adolescent, and young adult cancer: recommendations from the PanCareLIFE Consortium and the International Late Effects of Childhood Cancer Guideline Harmonization Group. *Lancet Oncol.* 2021;22(2):e68-e80.