

# The elderly, multi-morbid cancer patient – when use geriatricians

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*Matti S. Aapro*  
*Genolier Cancer Center*  
*Switzerland*



# The role of SIOG

International Society of Geriatric Oncology

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*IMPROVING THE EVIDENCE-BASE  
FOR TREATING OLDER ADULTS WITH CANCER*

*Work of SIOG and its members*

*Matti S. Aapro  
Genolier Cancer Center  
Switzerland*



# COI

Dr Aapro is a consultant for  
Amgen, BMS, Celgene, GSK, Helsinn,  
Hospira, JnJ Novartis, Merck, Merck Serono,  
Pfizer, Pierre Fabre, Roche, Sandoz, Teva,  
Vifor

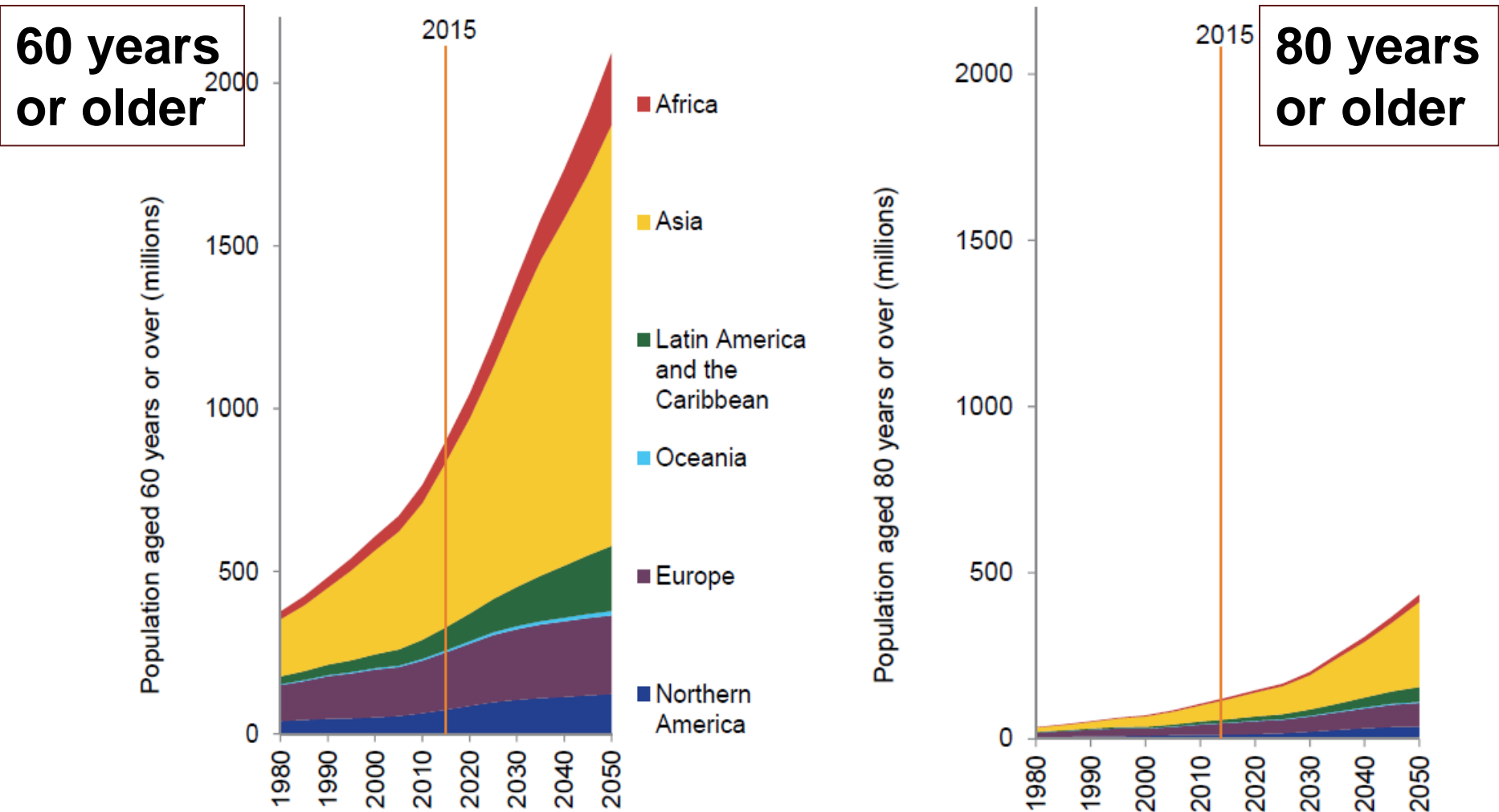
and has received honoraria for lectures at  
symposia of

Amgen, Bayer Schering, Cephalon, GSK,  
Helsinn, Hospira, Ipsen, JnJ OrthoBiotech,  
Kyowa Hakko Kirin, Merck, Merck Serono,  
Novartis, Pfizer, Pierre Fabre, Roche,  
Sandoz, Sanofi, Taiho, Teva, Vifor

No responsibility accepted for  
involuntary errors or omissions.

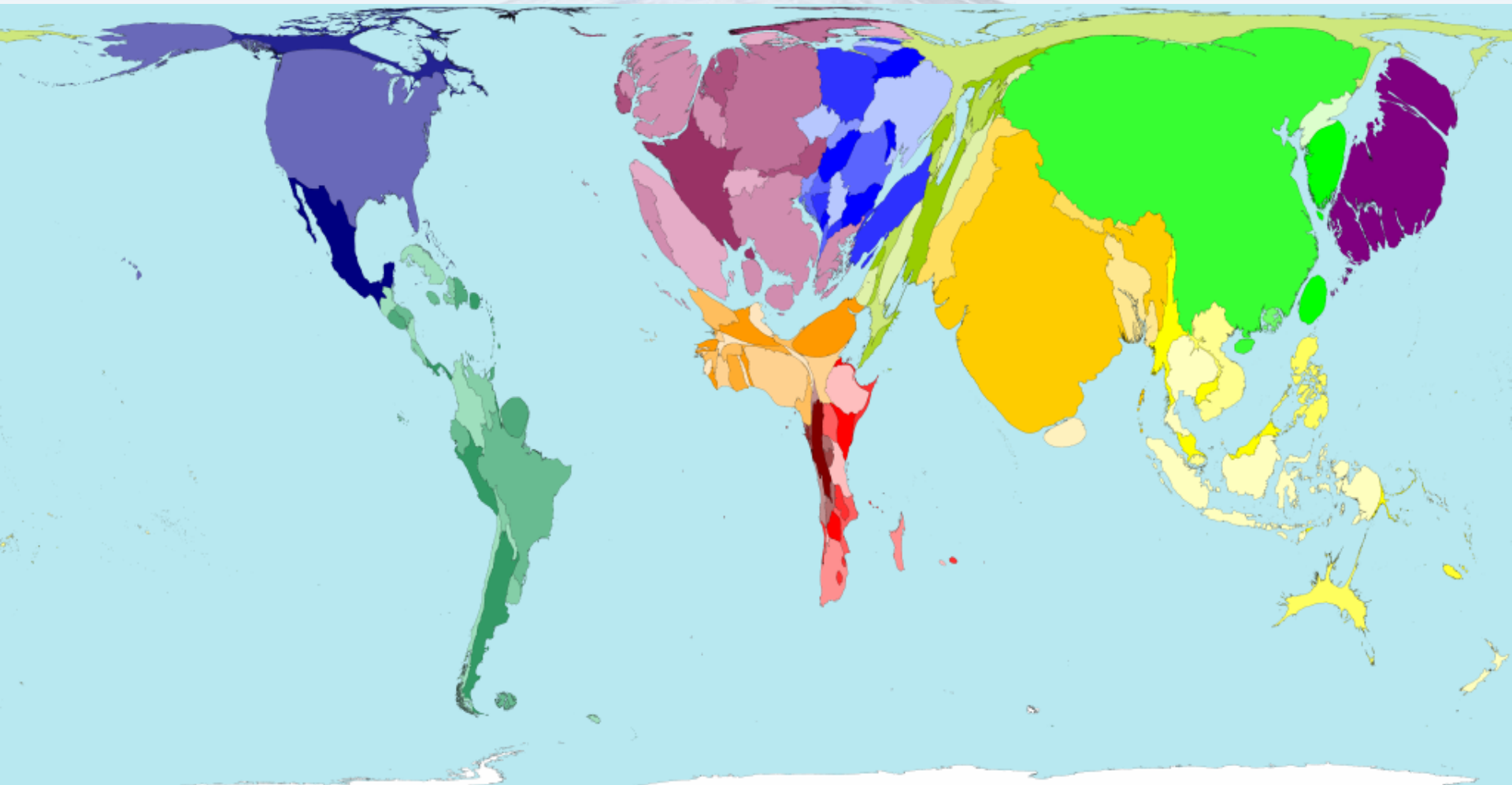
The list may be incomplete, and does not reflect consultancy for  
NGOs, Universities, Governmental agencies, and others

# The worldwide population is aging





# WHERE ARE THE ELDERLY



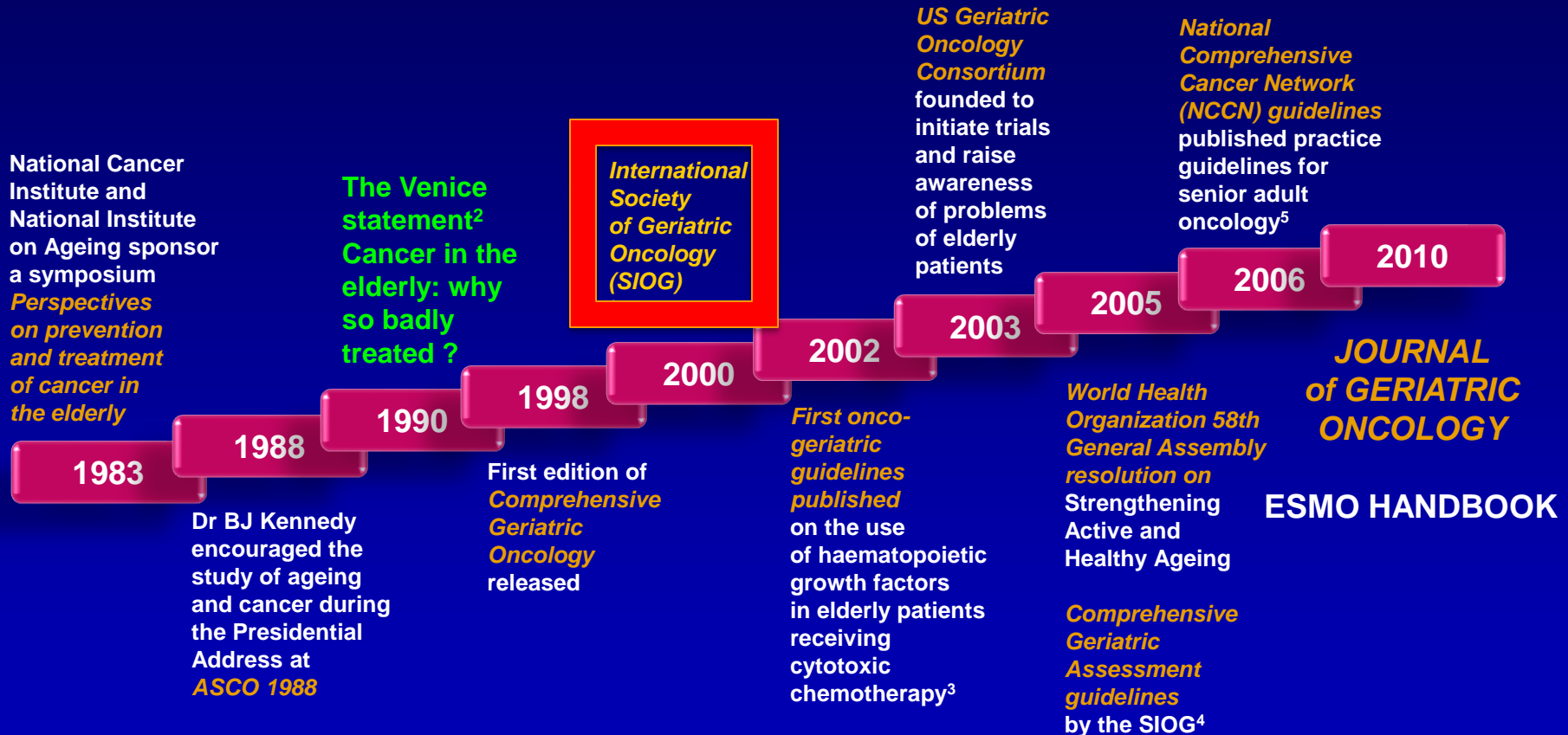
R. Audisio EORTC EGAM 2007

Department of Chronic Diseases and Health Promotion



World Health  
Organization

# Short history of cancer treatment in older patients<sup>1</sup>



1. Aapro M. J Geriatric Oncol 2010;1:2–3; 2. Fentiman IS, et al. Lancet 1990;335:1020–2
3. Balducci L. NCCN Clinical Practice Guidelines in Oncology Senior Adult Oncology November 1, 2006
4. Bokemeyer C, et al. Onkologie 2002;25:32–9
5. Extermann M, et al. Crit Rev Oncol Hematol 2005;55:241–52

# Growing interest has led to the formation of a geriatric oncology society, member of UICC and ECCO



GIOGer  
EUGMS

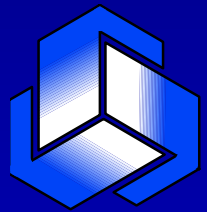


FNCLCC  
GEPOG  
GerIONNE



## SIOG/ISGO

President: S. Lichtman ( USA )  
President-elect: H. Wildiers ( BE )  
Past President: E. Brain ( FR )  
Treasurer: R. Kanessvaran ( SIN )



EORTC



ASH

[www.siog.org](http://www.siog.org)

# Medical treatment of cancer: some specific issues for the older patient

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- renal clearance: SIOG guidelines
- anemia: EORTC, ESMO and other guidelines
- febrile neutropenia: EORTC, ESMO and other guidelines
- issues in palliation ( confusional status with morphine ),



Critical Reviews in Oncology/Hematology 73 (2010) 176–183

CRITICAL REVIEWS IN  
*Oncology  
Hematology*  
*Incorporating Geriatric Oncology*

[www.elsevier.com/locate/critrevonc](http://www.elsevier.com/locate/critrevonc)

## The management of cancer pain in the elderly

Damien Urban<sup>a</sup>, Nathan Cherny<sup>b</sup>, Raphael Catane<sup>a,\*</sup>

<sup>a</sup> Sheba Medical Center, Tel Hashomer, Israel

<sup>b</sup> Shaare Tzedek Medical Center, Jerusalem, Israel

Accepted 13 March 2009



# Medical treatment of cancer: some specific issues for the older patient

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Critical Reviews in Oncology/Hematology 73 (2010) 176–183

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*Incorporating Geriatric Oncology*

[www.elsevier.com/locate/critrevonc](http://www.elsevier.com/locate/critrevonc)

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<sup>b</sup> Shaare Tzedek Medical Center, Jerusalem, Israel

Accepted 13 March 2009



available at [www.sciencedirect.com](http://www.sciencedirect.com)



journal homepage: [www.ejconline.com](http://www.ejconline.com)



## Position Paper

# International Society of Geriatric Oncology (SIOG) recommendations for the adjustment of dosing in elderly cancer patients with renal insufficiency

Stuart M. Lichtman<sup>a</sup>, Hans Wildiers<sup>b</sup>, Vincent Launay-Vacher<sup>c</sup>, Christopher Steer<sup>d</sup>, Etienne Chatelut<sup>e</sup>, Matti Aapro<sup>f,\*</sup>

# Medical treatment of cancer: some specific issues fo the older patient

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- renal clearance: SIOG guidelines
- anemia: EORTC guidelines
- febrile neutropenia: EORTC guidelines
- issues in palliation ( confusional status with morphine ),
- **diabetes as a complicating factor:.....**
- bone health ( prostate and breast cancer treatment):  
SIOG guidelines published
- risk benefit assessment: Hurria / Extermann
- issues with "targeted" agents....and « immunotherapy »...

# Medical treatment of cancer: some specific issues fo the older patient

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- bone health ( prostate and breast cancer treatment):  
SIOG guidelines published
- risk benefit assessment: Hurria / Extermann
- issues with "targeted" agents....and « immunotherapy »...

General and Supportive Care

Bone health in the elderly cancer patient: a SIOG Position Paper

J.J. Body, E. Terpos, B. Tombal, P. Hadji, A. Arif, A. Young, M. Aapro, R. Coleman

PII: S0305-7372(16)30104-9

DOI: <http://dx.doi.org/10.1016/j.ctrv.2016.10.004>

Reference: YCTRV 1560

To appear in: *Cancer Treatment Reviews Cancer Treatment Reviews*

Received Date: 17 October 2016

Accepted Date: 19 October 2016

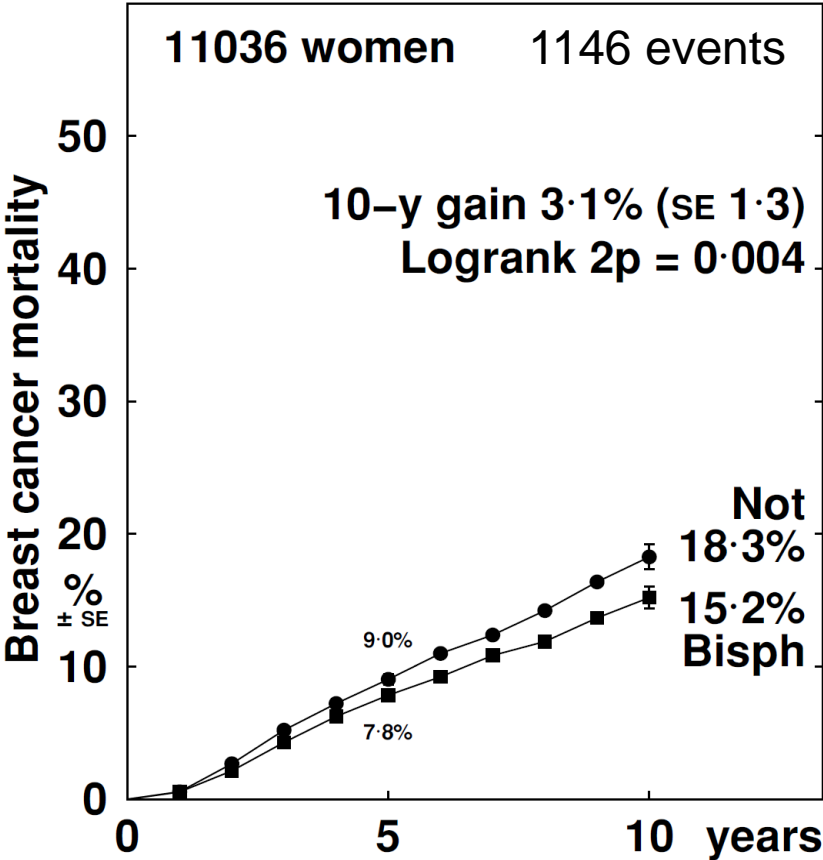
Please cite this article as: Body, J.J., Terpos, E., Tombal, B., Hadji, P., Arif, A., Young, A., Aapro, M., Coleman, R., Bone health in the elderly cancer patient: a SIOG Position Paper, *Cancer Treatment Reviews Cancer Treatment Reviews* (2016), doi: <http://dx.doi.org/10.1016/j.ctrv.2016.10.004>





# Mortality In Post-menopausal Women

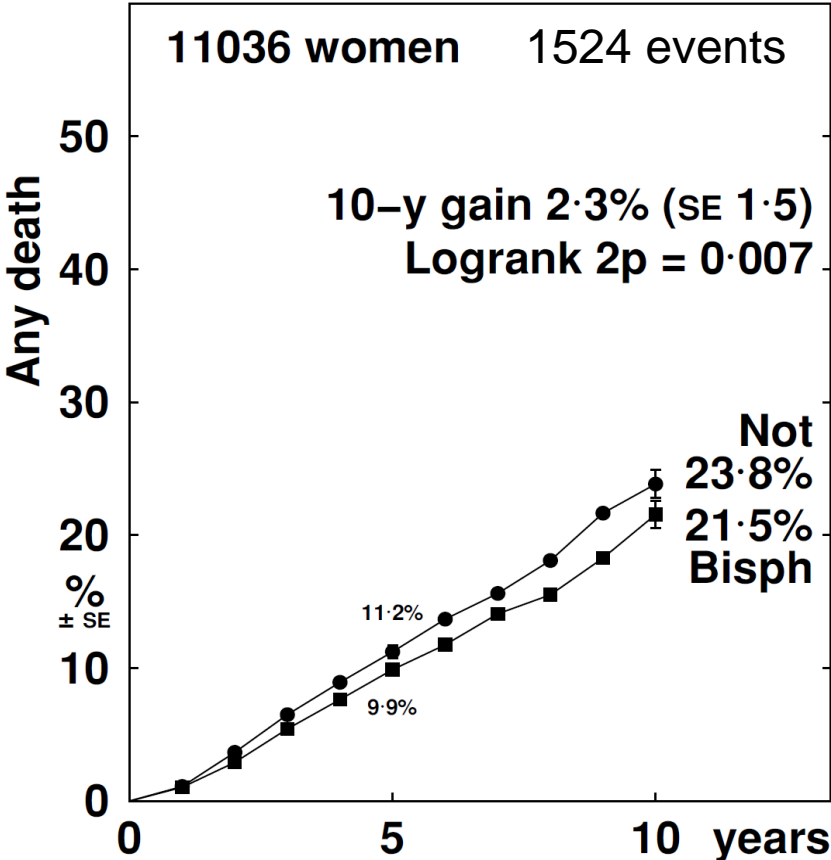
## Breast cancer mortality



Death rates (% / year: total rate – rate in women without recurrence) & logrank analyses

Allocation	Years 0 – 4	Years 5 – 9	Year 10+
Bisph	1.64 SE 0.08	1.60 SE 0.14	1.30 SE 0.49
Not	1.83 SE 0.09	2.04 SE 0.16	2.73 SE 0.73
Rate ratio, from (O-E) / V	0.86 SE 0.07 -26.4 / 173.1	0.78 SE 0.11 -16.3 / 65.0	0.52 SE 0.38 -2.4 / 3.6

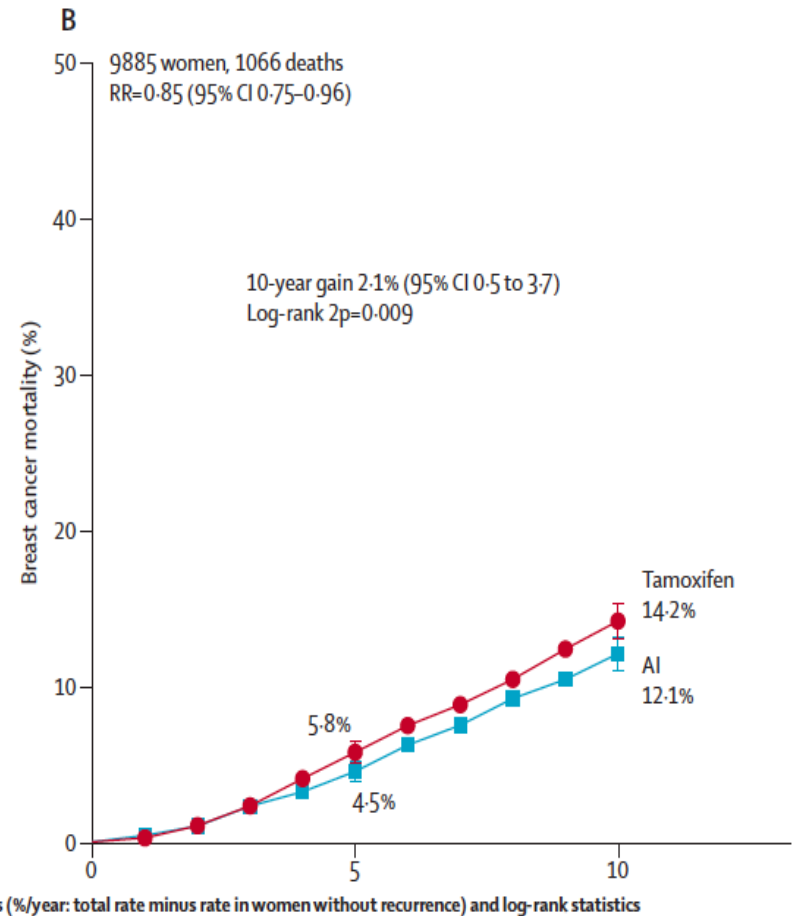
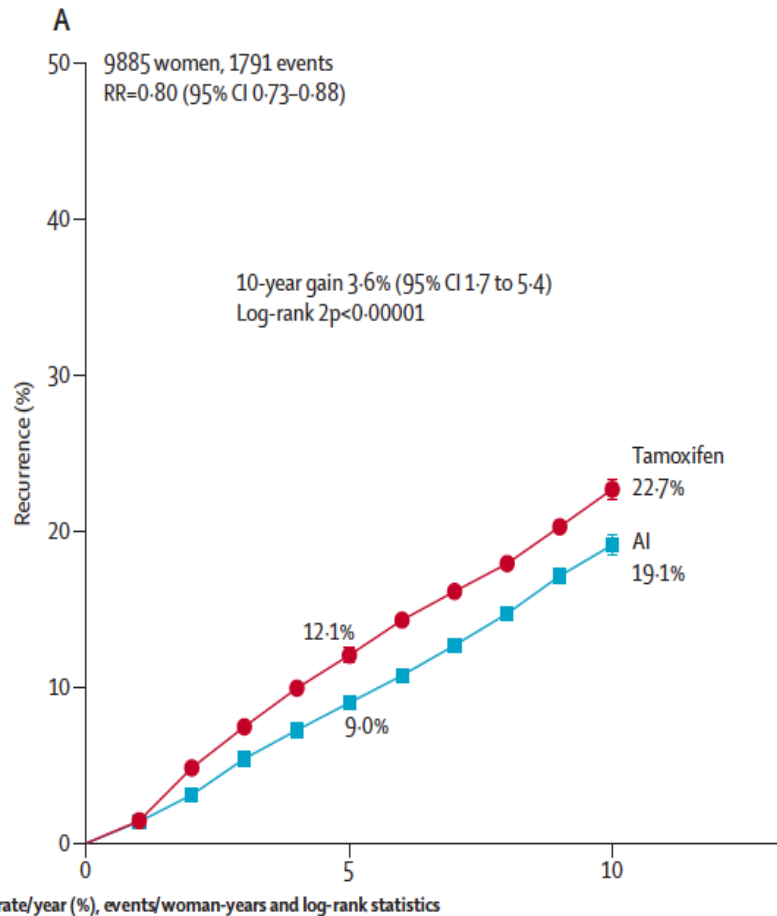
## All cause mortality



Death rates (% / year) and logrank analyses

Allocation	Years 0 – 4	Years 5 – 9	Year 10+
Bisph	2.07 (510 / 24627)	2.40 (201 / 8380)	3.71 (20 / 539)
Not	2.32 (534 / 23006)	2.88 (236 / 8189)	4.48 (23 / 513)
Rate ratio, from (O-E) / V	0.87 SE 0.06 -31.3 / 224.4	0.84 SE 0.09 -17.2 / 95.6	0.94 SE 0.34 -0.5 / 8.0

# Adjuvant AIs reduce the rate relapse and improve breast cancer survival in post-menopausal patients compared to tamoxifen



# Medical treatment of cancer: some specific issues fo the older patient

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- issues in palliation ( confusional status with morphine ),
- diabetes as a complicating factor:.....
- bone health ( prostate and breast cancer treatment):  
SIOG guidelines almost final
- **risk benefit assessment: Hurria / Extermann**
- issues with "targeted" agents....and « immunotherapy »...

# THE MISUNDERSTANDING:

CGA ASSESSES HEALTH STATUS

BUT

HEALTH STATUS ( FITNESS ) IS NOT  
FULLY PREDICTIVE OF TOLERANCE  
TO TREATMENT



# Assessing the Older Patient for Cancer Treatment

- Fitness does not mean you can all do the same exercise, does it?







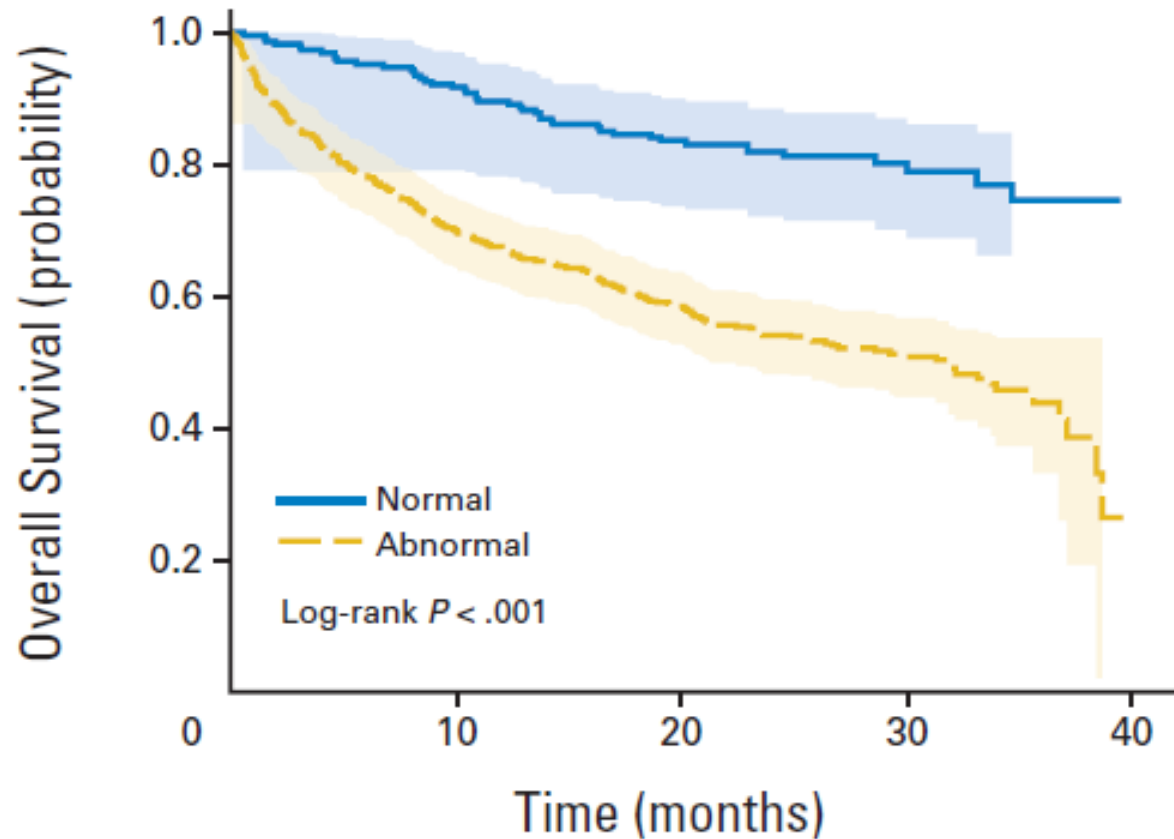
# G-8 geriatric screening tool

Has food intake declined over the past 3 months due to loss of appetite, digestive problems, chewing or swallowing difficulties?	0 = severe decrease 1 = moderate decrease 3 = no decrease
Weight loss during the last 3 months?	0 = > 3kg; 1 = between 1 and 3kg; 2 = between 0.5 and 1kg; 3 = no weight loss
Mobility?	0 = unable to walk or go out; 1 = able to walk but not go out; 2 = able to walk and go out
Neuropsychological problems?	0 = dementia /depression 1 = mild dementia 2 = no psychological problems
BMI (weight in kg/height in m <sup>2</sup> )	0 = BMI <19; 1 = BMI 19 to <21 2 = BMI 21 to <23; 3 = BMI ≥ 23
Takes more than 15 minutes to get dressed?	0 = yes; 1 = no
In comparison with people of the same age, how does your health status?	0 = not as good; 0.5 = does not know; 1 = as good; 2 = better
Age	0 = >85 yr; 1 = 80-85 yr; 2 = <80 yr
<b>Total score</b>	<b>0-17 ( 14 or less indicates need of CGA )</b>

**A fast test**  
**median 4.4 min for completion**



# Strong prognostic value of G8 for OS

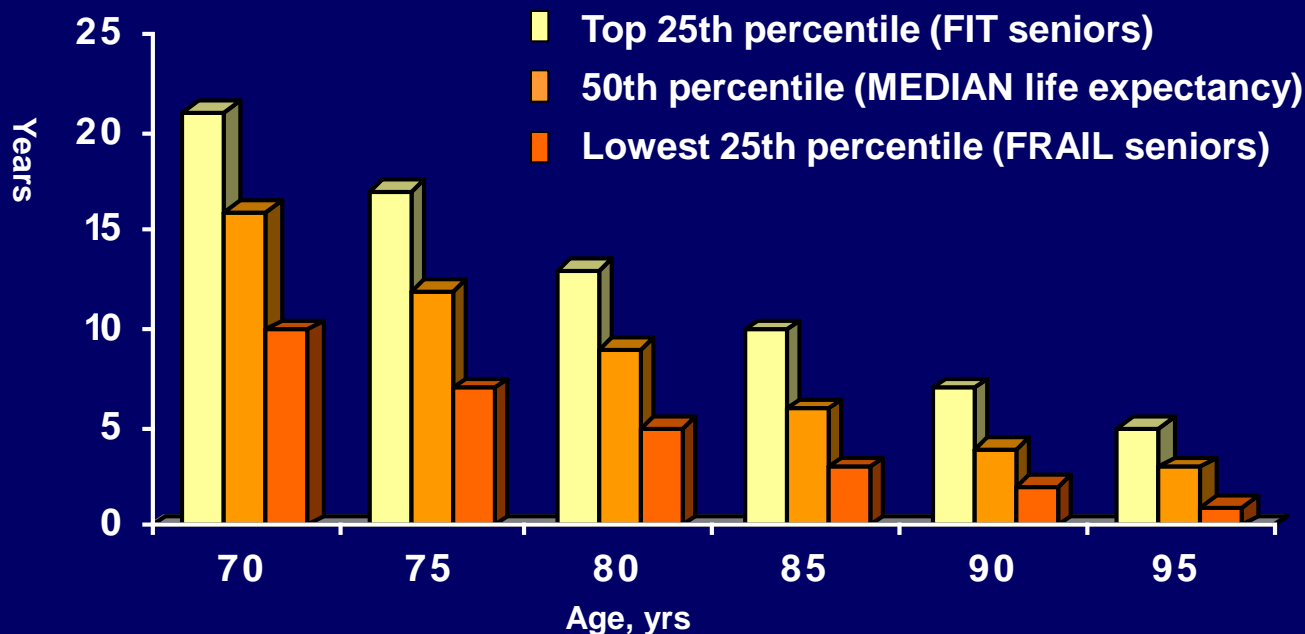


Prospective non interventional study in 937 patients aged 70 or older

# Life expectancy in senior adults: a large variability reflecting health status variability

General health and functional status are poorly represented by chronological age alone, but may be captured in a multidomain comprehensive geriatric assessment (CGA)

Health status groups



>

## CGA DOMAINS

Cognition

Comorbidity

Emotional conditions

Function

Geriatric syndromes

Nutrition

Pharmacy

Socioeconomic conditions

Life expectancy for elderly women based on health status

# **Early recognition of malnutrition and cachexia in the cancer patient: a position paper of a European School of Oncology Task Force**

M. Aapro<sup>1</sup>, J. Arends<sup>2</sup>, F. Bozzetti<sup>3</sup>, K. Fearon<sup>4\*</sup>, S. M. Grunberg<sup>5,†</sup>, J. Herrstedt<sup>6</sup>, J. Hopkinson<sup>7</sup>, N. Jacquelin-Ravel<sup>1</sup>, A. Jatoi<sup>8</sup>, S. Kaasa<sup>9</sup> & F. Strasser<sup>10</sup>

<sup>1</sup>Clinique de Genolier, Genolier, Switzerland; <sup>2</sup>Tumor Biology Center, Albert Ludwig's University, Freiburg, Germany; <sup>3</sup>Department of Medicine and Surgery, University of Milan, Milan, Italy; <sup>4</sup>School of Clinical Sciences and Community Health, University of Edinburgh, Royal Infirmary, Edinburgh, UK; <sup>5</sup>Hematology/Oncology Division, University of Vermont College of Medicine, Burlington, VT, USA; <sup>6</sup>Department of Oncology, Odense University Hospital, Odense, Denmark; <sup>7</sup>School of Healthcare Sciences, Cardiff University, Cardiff, UK; <sup>8</sup>Department of Oncology, Mayo Clinic, Rochester, MN, USA; <sup>9</sup>Faculty of Medicine, Norwegian University of Science and Technology, Trondheim, Norway; <sup>10</sup>Department of Internal Medicine, Kantonsspital, St Gallen, Switzerland



# Prediction and Possible Reduction of Toxicity of Chemotherapy in Older Patients?

Arti Hurria, MD  
Director, Cancer and Aging Research Program  
City of Hope  
Duarte, CA, USA



# Are we able to predict toxicity?

Original Article

## Predicting the Risk of Chemotherapy Toxicity in Older Patients: The Chemotherapy Risk Assessment Scale for High-Age Patients (CRASH) Score

Martine Extermann, MD<sup>1</sup>; Ivette Boler, ARNP<sup>1</sup>; Richard R. Reich, PhD<sup>1,2</sup>; Gary H. Lyman, MD<sup>3</sup>; Richard H. Brown, MD<sup>4</sup>; Joseph DeFelice, MD<sup>5†</sup>; Richard M. Levine, MD<sup>6</sup>; Eric T. Lubiner, MD<sup>7</sup>; Pablo Reyes, MD<sup>8</sup>; Frederic J. Schreiber III, MD<sup>9</sup>; and Lodovico Balducci, MD<sup>1</sup>

# Predictors of Toxicity From Cancer Therapy

## Laboratory

- Hemoglobin
- Albumin
- LDH
- Creatinine clearance

## Clinical

- ECOG PS
- Diastolic blood pressure
- Mini-Mental Examination
- Self-rated Health
- Mini-Nutritional Assessment
- CIRS-G Comorbidity
- IADL

IADL, Instrumental Activities of Daily Living.

Extermann M, et al. *Cancer*. 2012;118(13):3377-3386.

# Are we able to predict toxicity?

Published Ahead of Print on August 1, 2011 as 10.1200/JCO.2011.34.7625  
The latest version is at <http://jco.ascopubs.org/cgi/doi/10.1200/JCO.2011.34.7625>

JOURNAL OF CLINICAL ONCOLOGY

ORIGINAL REPORT

## Predicting Chemotherapy Toxicity in Older Adults With Cancer: A Prospective Multicenter Study

*Arti Hurria, Kayo Togawa, Supriya G. Mohile, Cynthia Owusu, Heidi D. Klepin, Cary P. Gross, Stuart M. Lichtman, Ajeet Gajra, Smita Bhatia, Vani Katheria, Shira Klapper, Kurt Hansen, Rupal Ramani, Mark Lachs, F. Lennie Wong, and William P. Tew*

Arti Hurria, Kayo Togawa, Smita Bhatia,  
Rupal Ramani, and F. Lennie Wong,  
City of Hope Comprehensive Cancer  
Center and Beckman Research Insti-

A B S T R A C T

# Predictive Model for Toxicity From Chemotherapy

Risk Factors for Grade 3-5 Toxicity	OR (95% CI)	Score
Age > 73	1.2 (1.2-2.7)	2
GI/GU cancer	2.2 (1.4-3.3)	3
Standard dose	2.1 (1.3-3.5)	3
Polychemotherapy	1.8 (1.1-2.7)	2
Hemoglobin (male: <11, female: <10)	2.2 (1.1-4.3)	3
Creatinine clearance <34	2.5 (1.2-5.6)	3
1 or more falls in last 6 months	2.3 (1.3-3.9)	3
Hearing impairment (fair or worse)	1.6 (1.0-2.6)	2
Limited in walking 1 block	1.8 (1.1-3.1)	2
Assistance required in medication intake	1.4 (0.6-3.1)	1
Decreased social activity	1.3 (0.9-2.0)	1

# A validation study

© 2016 by American Society of Clinical Oncology



## Validation of a Prediction Tool for Chemotherapy Toxicity in Older Adults With Cancer

Arti Hurria<sup>↑</sup>, Supriya Mohile, Ajeet Gajra, Heidi Klepin, Hyman Muss, Andrew Chapman, Tao Feng, David Smith, Can-Lan Sun, Nienke De Glas, Harvey Jay Cohen, Vani Katheria, Caroline Doan, Laura Zavala, Abrahm Levi, Chie Akiba and William P. Tew

Author Affiliations

### This Article



Published online before print  
May 16, 2016, doi:  
10.1200/JCO.2015.65.4327  
JCO May 16, 2016 JCO654327

» Abstract

**Full Text**

**PDF**

Author Interview by ASCO

Purchase Article

But we have to consider  
who the patient is

...and what does he/she want

# **Jeanne-Marie...**

## **“Can’t be serious?”**





# “Senior patients” will accept chemotherapy

- Outpatient population (n=320):
  - from France and USA
  - aged 70–95 years (29% aged 80 years and older)
  - with and without cancer
  - interviewed via anonymous questionnaires
- French patients **without** cancer were less willing (34%) to accept strong chemotherapy than:
  - American patients without cancer (73.8%)\*
  - French or American cancer patients (77.8 and 70.5%, respectively)\*
- This was also true for the moderate chemotherapy (67.9 vs 100%, 95.2 and 88.5%, respectively;  $p < 0.001$ )

\* $p < 0.001$  for each comparison



## review

*Annals of Oncology* 18: 633–638, 2007

doi:10.1093/annonc/mdl178

Published online 6 October 2006

# The illness trajectory of elderly cancer patients across cultures: SIOG position paper

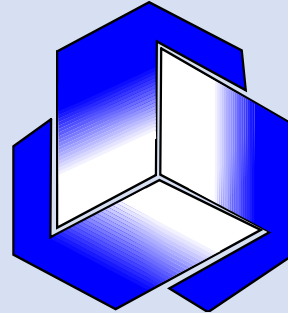
A. Surbone<sup>1\*</sup>, M. Kagawa-Singer<sup>2</sup>, C. Terret<sup>3</sup> & L. Baider<sup>4</sup>

On behalf of the SIOG Task Force on Cultural Competence in the Elderly<sup>†</sup>

<sup>1</sup>European School of Oncology, Milan, Italy and New York University, New York, USA; <sup>2</sup>UCLA School of Public Health and Asian American Studies Department, Los Angeles, USA; <sup>3</sup>Centre Léon Bérard, Lyon, France; <sup>4</sup>Hadassah University Medical Center, Jerusalem, Israel

Received 12 May 2006; accepted 26 June 2006

<sup>†</sup>Task Force Members: L. Baider, Israel; O. Brawley, US; M. Kagawa-Singer, US; M. Mori, Japan; B. Stein, Australia; A. Surbone, Italy; C. Terret, France; M. Zereu, Brasil

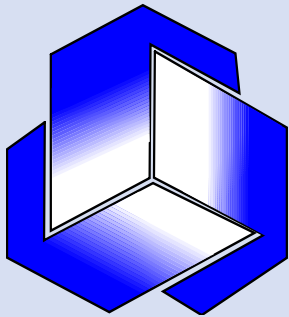


# We cannot “simply” apply principles of clinical studies validated in younger patients

**EORTC workshop on clinical trial methodology in older individuals with a diagnosis of solid tumors**

A.G. Pallis, A. Ring, C. Fortpied, B. Penninckx, M.C. Van Nes, U. Wedding, G. von Minckwitz, C.D. Johnson,  
L. Wyld, A. Timmer, F. Bonnetain, L. Repetto, M. Aapro, A. Luciani, H. Wildiers

**On behalf of the EORTC Elderly Task Force  
Annals Oncology, 2011**



**Wildiers H, et al**

**End Points and Trial Design  
in Geriatric Oncology Research:**

**A Joint European Organisation for  
Research and Treatment of Cancer-Alliance for Clinical Trials in  
Oncology-International Society of Geriatric Oncology Position Article.**

**J Clin Oncol. 2013**

SO WHEN  
DO I CALL THE  
« GERIATRICIAN »  
???



# Screening for cognitive impairment

Borson et al. J Am Geriatr Soc  
2003;51:1451-4

## Mini-Cog

### Step 1: Three Word Registration

Look directly at person and say, "Please listen carefully. I am going to say three words that I want you to repeat back to me now and try to remember. The words are [select a list of words from the versions below]. Please say them for me now." If the person is unable to repeat the words after three attempts, move on to Step 2 (clock drawing).

The following and other word lists have been used in one or more clinical studies.<sup>1-3</sup> For repeated administrations, use of an alternative word list is recommended.

Version 1	Version 2	Version 3	Version 4	Version 5	Version 6
Banana	Leader	Village	River	Captain	Daughter
Sunrise	Season	Kitchen	Nation	Garden	Heaven
Chair	Table	Baby	Finger	Picture	Mountain

### Step 2: Clock Drawing

Say: "Next, I want you to draw a clock for me. First, put in all of the numbers where they go." When that is completed, say: "Now, set the hands to 10 past 11."

Use preprinted circle (see next page) for this exercise. Repeat instructions as needed as this is not a memory test. Move to Step 3 if the clock is not complete within three minutes.

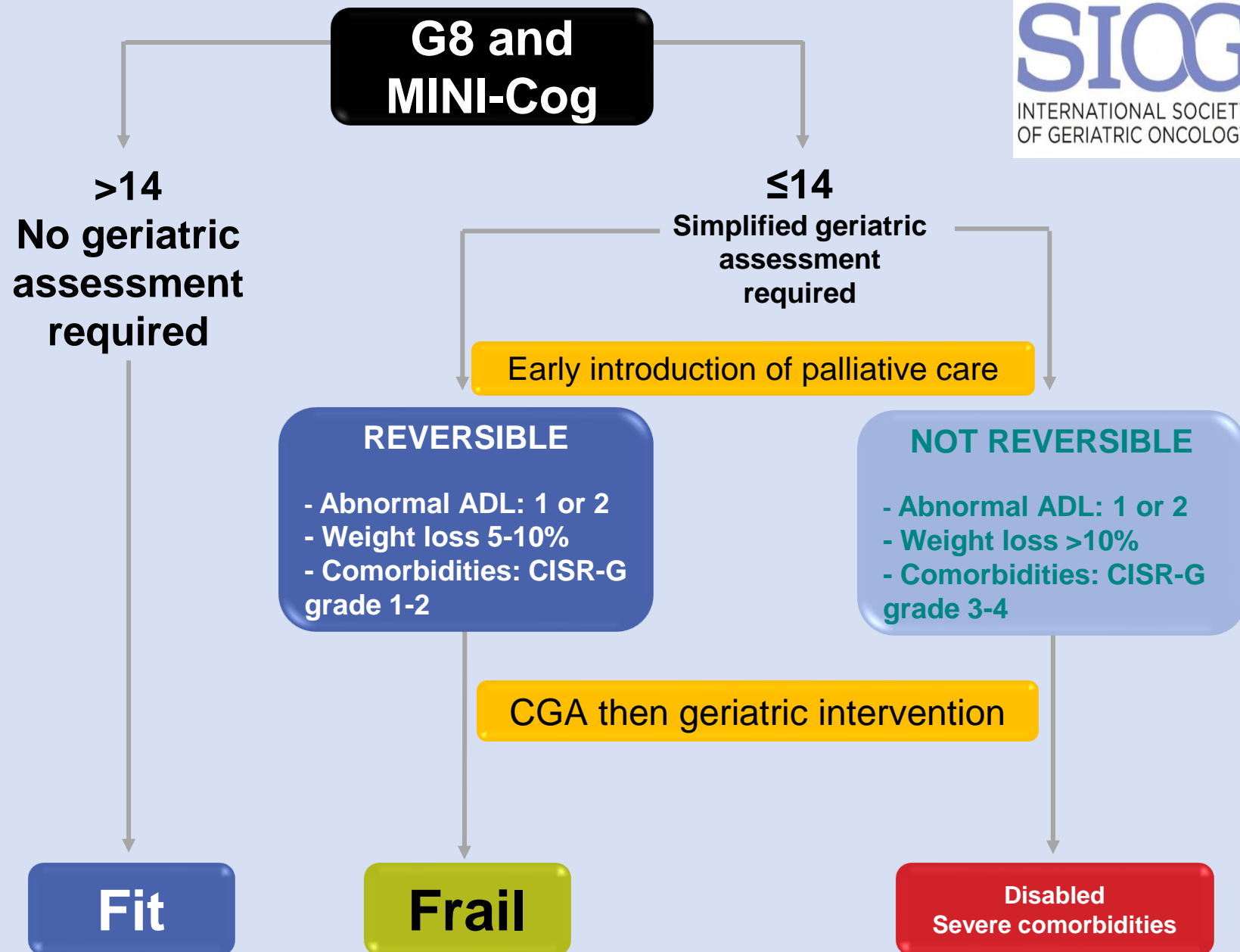
### Step 3: Three Word Recall

Ask the person to recall the three words you stated in Step 1. Say: "What were the three words I asked you to remember?" Record the word list version number and the person's answers below.

Word List Version: \_\_\_\_\_ Person's Answers: \_\_\_\_\_

### Scoring

Word Recall: _____ (0-3 points)	1 point for each word spontaneously recalled without cueing.
Clock Draw: _____ (0 or 2 points)	Normal clock = 2 points. A normal clock has all numbers placed in the correct sequence and approximately correct position (e.g., 12, 3, 6 and 9 are in anchor positions) with no missing or duplicate numbers. Hands are pointing to the 11 and 2 (11:10). Hand length is not scored. Inability or refusal to draw a clock (abnormal) = 0 points.
Total Score: _____ (0-5 points)	Total score = Word Recall score + Clock Draw score.  A cut point of <3 on the Mini-Cog™ has been validated for dementia screening, but many individuals with clinically meaningful cognitive impairment will score higher. When greater sensitivity is desired, a cut point of <4 is recommended as it may indicate a need for further evaluation of cognitive status.





# SIOG GUIDELINES

( please go to [www.SIOG.org](http://www.SIOG.org) )

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## SIOG Clinical Guidelines



A word cloud of terms related to SIOG Clinical Guidelines. The word 'guidelines' is the largest and most prominent. Other significant words include 'Medical', 'electronic', 'supervision', 'development', 'health', 'knowledge', 'diagnosis', 'modelling', 'methods', 'systems', 'management', 'protocol', 'improving', 'study', 'case', 'design', 'gap', 'ontology-driven', 'heart', 'formal', 'interactive', 'model-based', 'bridging', 'supporting', 'solution', 'chromosome', 'many', 'representations', 'approach', 'Mair', 'combining', 'itns', 'ion', 'red', 'case', 'design', 'gap', 'ontology-driven', 'heart', 'formal', 'interactive', 'model-based', 'bridging', 'supporting', 'solution', 'chromosome', 'many', 'representations', 'approach', 'Mair', 'combining', 'itns', 'ion', 'red'. The words are arranged in a horizontal, somewhat overlapping manner, with varying font sizes and orientations.

# **SIOG Guidelines since 2014 JSMO**

## **( please go to [www.SIOG.org](http://www.SIOG.org) )**

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- **Diffuse large B-cell lymphoma in the elderly: Impact of prognosis, comorbidities, geriatric assessment, and supportive care on clinical practice. An International Society of Geriatric Oncology (SIOG) Expert Position Paper.**
- **Morrison VA, Hamlin P, Soubeyran P, Stauder R, Wadhwa P, Aapro M, Lichtman S. J Geriatr Oncol. 2015 Mar;6(2):141-52.**
- **Approach to therapy of diffuse large B-cell lymphoma in the elderly: the International Society of Geriatric Oncology (SIOG) expert position commentary.**
- **Morrison VA, Hamlin P, Soubeyran P, Stauder R, Wadhwa P, Aapro M, Lichtman SM. Ann Oncol. 2015 Jun;26(6):1058-68.**

# **SIOG Guidelines since 2014 JSMO**

## **( please go to [www.SIOG.org](http://www.SIOG.org) )**

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- **Screening tools for multidimensional health problems warranting a geriatric assessment in older cancer patients: an update on SIOG recommendations.**
- L. Decoster, K. Van Puyvelde, S. Mohile, U. Wedding, U. Basso, G. Colloca, S. Rostoft, J. Overcash, H. Wildiers, C. Steer, G. Kimmick, R. Kaneshvaran, A. Luciani, C. Terret, A. Hurria, C. Kenis, R. Audisio & M. Extermann. *Ann Oncol.* 2015 Feb;26(2):288-300.
- **Oral single-agent chemotherapy in older patients with solid tumours: A position paper from the International Society of Geriatric Oncology (SIOG).**
- L. Biganzoli, S. Lichtman , J.-P. Michel , D. Papamichael , E. Quoix , C. Walko , M. Aapro. *European Journal of Cancer* 2015 Nov;51(17):2491-500.

# **SIOG Guidelines since 2014 JSMO**

## **( please go to [www.SIOG.org](http://www.SIOG.org) )**

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- **The assessment and management of older cancer patients: A SIOG surgical task force survey on surgeons' attitudes**
- Ghignone F, van Leeuwen BL, Montroni I, Huisman MG, Somasundar P, Cheung KL, Audisio RA, Ugolini G; International Society of Geriatric Oncology (SIOG) Surgical Task Force. Eur J Surg Oncol. 2015 Dec 17.
- **Taxanes in the treatment of breast cancer: Have we better defined their role in older patients? A position paper from a SIOG Task Force**
- L. Biganzoli, M. Aapro, Sibylle Loibl, Hans Wildiers, Etienne Brain. Cancer Treatment Reviews February 2016 Volume 43, Pages 19–26

# **SIOG Guidelines since 2014 JSMO ( please go to [www.SIOG.org](http://www.SIOG.org) )**

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- **Management of chronic lymphocytic leukaemia in the elderly: position paper of a SIOG Task Force**
- Stauder R, Eichhorst B, Hamaker M, Kaplanov K, Morrison V, Österborg A, Poddubnaya I, Woyach JA, Shanafelt T, Smolej L, Ysebaert L, Goede V. Ann Oncol. 2016 Nov 1. [Epub ahead of print]

# **SLOG Guidelines since 2014 JSMO ( please go to [www.SLOG.org](http://www.SLOG.org) )**

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- **Management of Prostate Cancer in Elderly Patients: Recommendations of a Task Force of the International Society of Geriatric Oncology**
  - Jean-Pierre Droz, Gilles Albrand, Silke Gillessen, Simon Hughes, Nicolas Mottet, Stéphane Oudard, Heather Payne, Martine Puts, Gilbert Zulian, Lodovico Balducci, Matti Aapro. *European Urology* Available online 11 January 2017
- **Bone health in the elderly cancer patient: a SLOG Position Paper**
  - J.J. Body, E. Terpos, B. Tombal, P. Hadji, A. Arif, A. Young, M. Aapro, R. Coleman. *Cancer Treatment Reviews* Available online 27 October 2016 In Press

# The future SIOG guidelines ( please follow [www.SIOG.org](http://www.SIOG.org) )

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- For 2017 and following : multiple myeloma, biosimilars, lung cancer (update), nursing, nutrition, bladder cancer, cardiotoxicity (update), targeted agents, anti Her-2 agents,, **immunotherapy**, compliance/adherence....



# SIOG take home messages

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- Elderly patients breast cancer patients should be offered the same loco-regional and systemic treatment as younger patients, whenever possible
- Life expectancy, treatment tolerance, potential risks vs. expected absolute benefits, should be considered in all management decisions and geriatric assessments help in better defining these variables
- Patient preference and possible barriers (logistic, social, etc) to treatment administration should also be considered

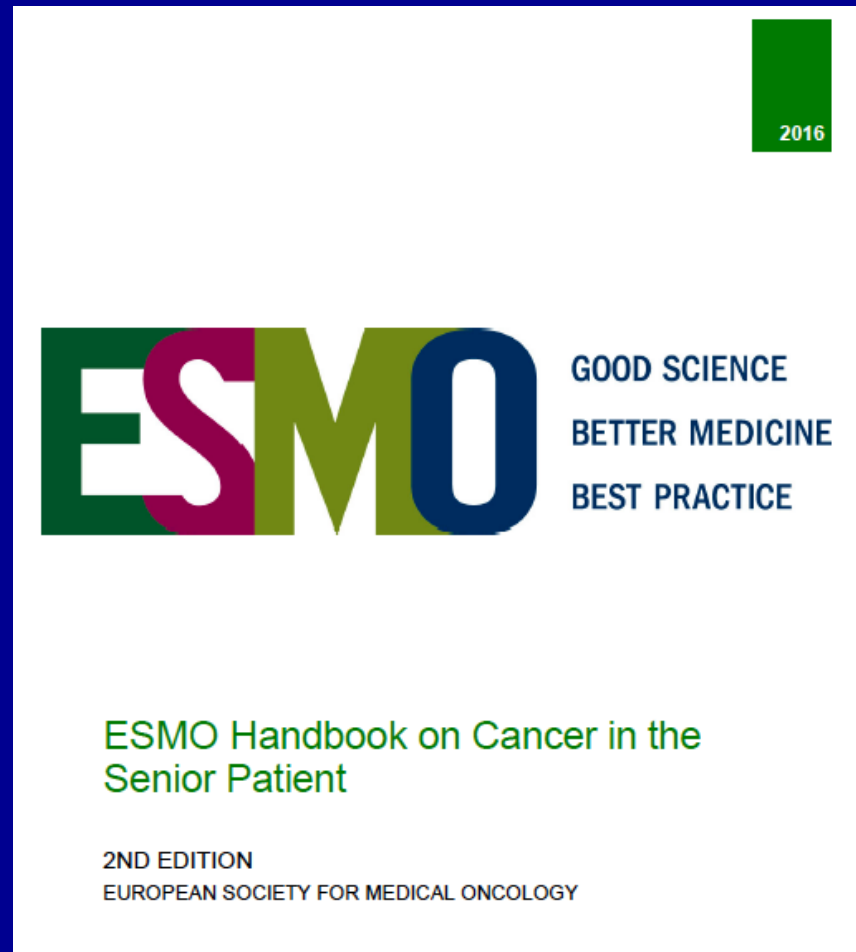
# Some final reflections

- Decisions on treatment have to take into consideration the patient's quality of life
- Decisions on treatment have to take into consideration her decision to live longer or to have a better quality of life, perhaps dying earlier
- Chronological age should not be the basis for treatment decisions
- Decisions on treatment never should never be made for economic reasons
- Individual assessment of each patient is necessary; patient /doctor communication is key to making the right decision for each patient.

From Roswitha Britz at ECCO 2015

# An important resource

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**SIOG**  
INTERNATIONAL SOCIETY  
OF GERIATRIC ONCOLOGY

**2017**

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*"From research to practice: incorporating geriatric oncology into patient care"*



Matti Aapro  
Genolier Cancer Centre (Switzerland)



THANK YOU

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