



GERIONNE PLATFORMBIJEEENKOMST

29-09-2010

CGA's welke en wanneer

Drs. A.A. Aaldriks

Functionele status

Cognitie

Psychosociale status

Sociale ondersteuning

Voedingsstatus

Comorbiditeit

Overzicht van de medicatie

Extermann et al. Use of comprehensive geriatric assessment in older cancer patients: recommendations from the task force on CGA of the International Society of Geriatric Oncology (SIOG). Crit Rev Oncol Hematol 2005;55:241-52

Functionele status

Activities of daily living (ADL)
Instrumental activities of daily living (IADL)

Cognitie

Mini mental state examination (MMSE)
Informant Questionnaire on Cognitive decline (IQCODE)

Psychosociale status

by adequate finances
Geriatric depression scale (GDS)
Five item mental health index (MH15)

Sociale ondersteuning

Medical Outcomes Study Social Support Survey (MOS-SSS)

Voedingsstatus

Mini nutritional assessment (MNA)

Comorbiditeit

Charlson comorbidity index (CCI)
Cumulative Illness Rating Scale for Geriatrics (CIRS-G)

Combinatie voor verschillende domeinen

Vulnerable Elders Survey (VES-13)
Groninger Frailty Index (GFI)
abbreviated comprehensive geriatric assessment (aCGA)

Older Breast Cancer Survivors: Geriatric Assessment
Domains Are Associated With Poor Tolerance of Treatment
Adverse Effects and Predict Mortality Over 7 Years
of Follow-Up

Kerri M. Clough-Gorr, Andreas E. Stuck, Soe Soe Thwin, and Rebecca A. Silliman

N=660

>65 jaar met primaire borstkanker stadium I tot IIIA

4 domeinen:

Sociaaldemografische status by adequate finance

Klinische status dmv de Charlson Comorbidity Index (CCI) en Body Mass Index (BMI)

Functionele status dmv het aantal van de functionele beperkingen

Psychosociale status dmv five-item Mental Health Index (MHI5) and Medical Outcomes Study Social Support Survey (MOS-SSS)

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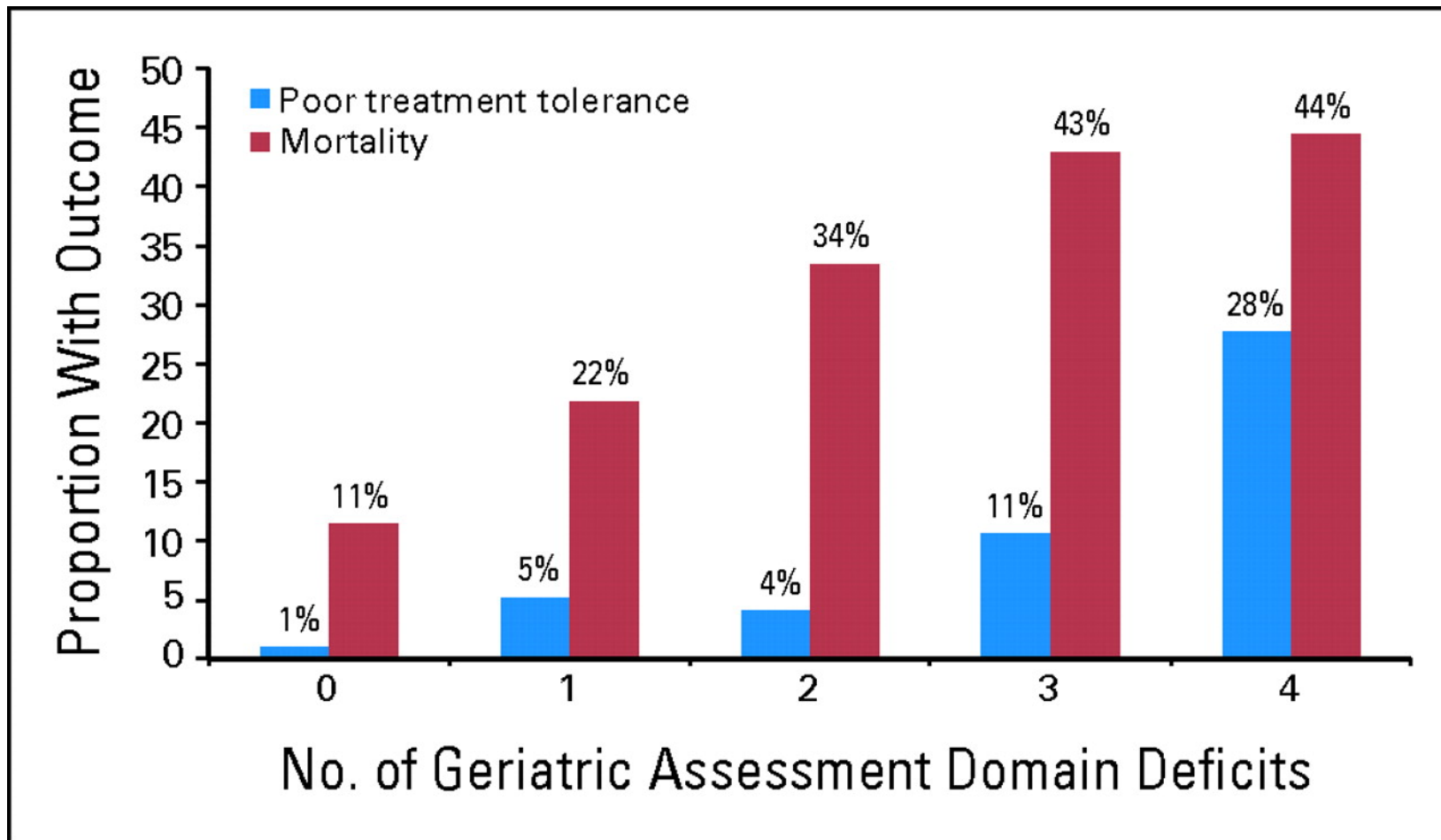
Patient interviews assessed overall past/present treatment tolerance using a single question that asked,
“How well do you think that you are dealing with treatment side effects that you might have been experiencing or are experiencing?”

Helemaal niet goed/Niet goed (slechte behandeltoerantie)
Redelijk goed/Heel goed (goede behandeltoerantie)

Table 1. Baseline Sociodemographic, Clinical, and Health-Related Characteristics in a Population of Older Survivors of Breast Cancer (1997-2006)

Characteristic	No. of Patients (N = 660)	%
Health related		
CCI ≥ 1	280	42
Good self-rated health	564	85
Obesity (BMI > 30 kg/m ²)	140	21
≥ 1 physical limitation	247	37
Good mental health (MHI5 score ≥ 80)	455	69
High-level of social support (MOS-SSS score ≥ 80)	333	51
Geriatric assessment		
Deficits in ≥ 3 GA domains	286	43

Proportion of older survivors of breast cancer (N = 660) with poor treatment tolerance and mortality within each group of geriatric assessment domain deficits (1997 to 2006; Cochran-Armitage test for trend, $P < .0001$ for poor treatment tolerance and mortality).



Clough-Gorr K M et al. JCO 2010;28:380-386

Table 3. Effect Measures for Poor Treatment Tolerance and Mortality Based on Geriatric Assessment and Three Other Health Assessment Measures in a 7-Year Longitudinal Study of a Subpopulation of Older Survivors of Breast Cancer With Physician Assessment (n = 480; 1997-2006)

Factor	Poor Treatment Tolerance		Mortality	
	OR	95% CI*	HR	95% CI*
CCI \geq 1	2.61	1.17 to 5.83	1.82	1.28 to 2.57
Fair/poor self-rated health	4.25	1.86 to 9.69	2.33	1.55 to 3.50
Moderately/severely ill MD-rated health	1.34	0.38 to 4.83	2.67	1.69 to 4.21
Deficits in \geq 3 GA domains	4.86	2.19 to 10.77	2.31	1.40 to 2.94

Abbreviations: OR, odds ratio; HR, hazard ratio; MD, medical doctor; CCI, Charlson comorbidity index; GA, geriatric assessment.

*Results from four individual regression models for each outcome, adjusted for age, stage, and the assessment measure listed on the corresponding row.



Identifying an accurate pre-screening tool in geriatric oncology

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Onderzocht werd 1) de GFI en VES-13 vs volledig GA
2) de abbreviated CGA vs volledig GA

n=113, ouder dan 70 jaar met de diagnose kanker (in elk stadium)

Table 3

Summary statistics for diagnostics testing for GFI, VES-13, and aCGA.

	Sensitivity (95% CI) True-positive	Sensitivity (95% CI) False-negative	Positive predictive value (95% CI) False-positive	Negative predictive value (95% CI) True-negative
GFI	39% (28–51%) 30	86% (70–95%) 47	86% (70–95%) 5	40% (29–51%) 31
Vs ADL ^a	47% (30–65%) 16	76% (65–85%) 18	46% (29–63%) 19	77% (66–86%) 60
Vs IADL ^a	39% (28–51%) 30	86% (71–95%) 46	86% (70–95%) 5	41% (30–53%) 32
VES-13	61% (49–72%) 47	78% (61–90%) 30	85% (73–93%) 8	48% (35–62%) 28
Vs ADL ^a	76% (59–89%) 26	63% (52–74%) 8	47% (34–61%) 29	86% (75–94%) 50
Vs IADL ^a	67% (55–77%) 51	89% (75–97%) 25	93% (82–98%) 4	57% (43–70%) 33
aCGA				
GDS	69% (38–90%) 9	92% (85–97%) 4	53% (28–77%) 8	96% (90–99%) 92
Cognitive status	23% (7–50%) 4	100% (96–100%) 13	100% (40–100%) 0	88% (80–93%) 96
ADL	97% (86–100%) 37	47% (35–58%) 1	48% (36–60%) 40	97% (85–100%) 35
IADL	92% (84–97%) 71	69% (52–84%) 6	87% (77–93%) 11	81% (62–92%) 25
Aggregated	51% (39–62%) 39	97% (85–100%) 38	97% (87–100%) 1	48% (36–60%) 35

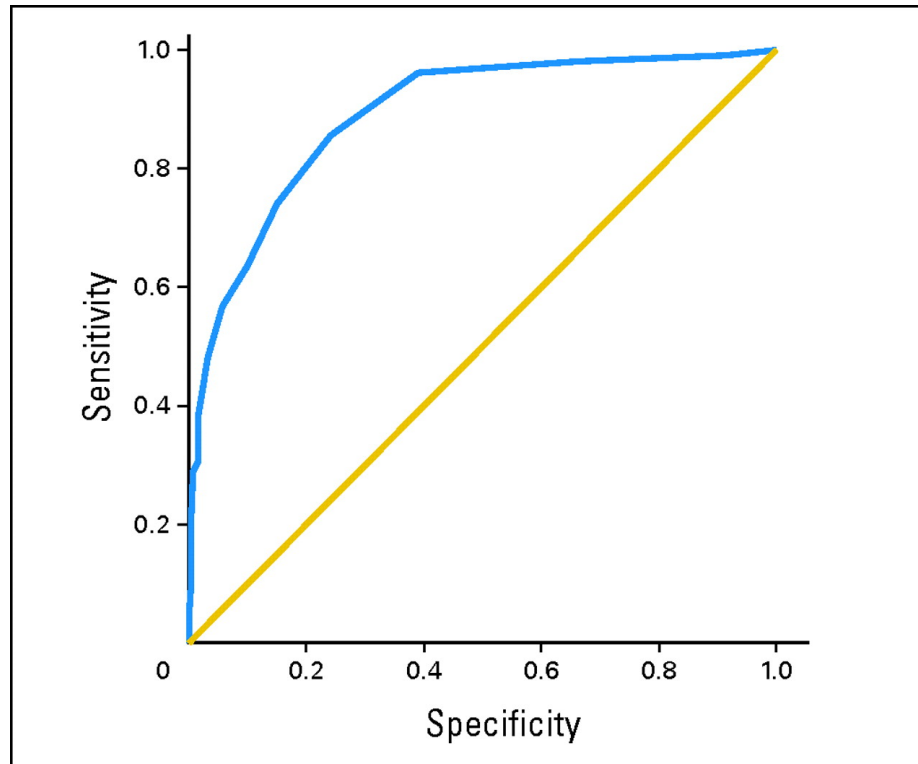
^a Performance against impairment in two or more domains (ADL/IADL) of the full CGA.

Detecting Disabilities in Older Patients With Cancer: Comparison Between Comprehensive Geriatric Assessment and Vulnerable Elders Survey-13

*Andrea Luciani, Gilda Ascione, Cecilia Bertuzzi, Desirè Marussi, Carla Codecà, Giuseppe Di Maria,
Sarah Elisabetta Caldiera, Irene Floriani, Sabrina Zonato, Daris Ferrari, and Paolo Foa*

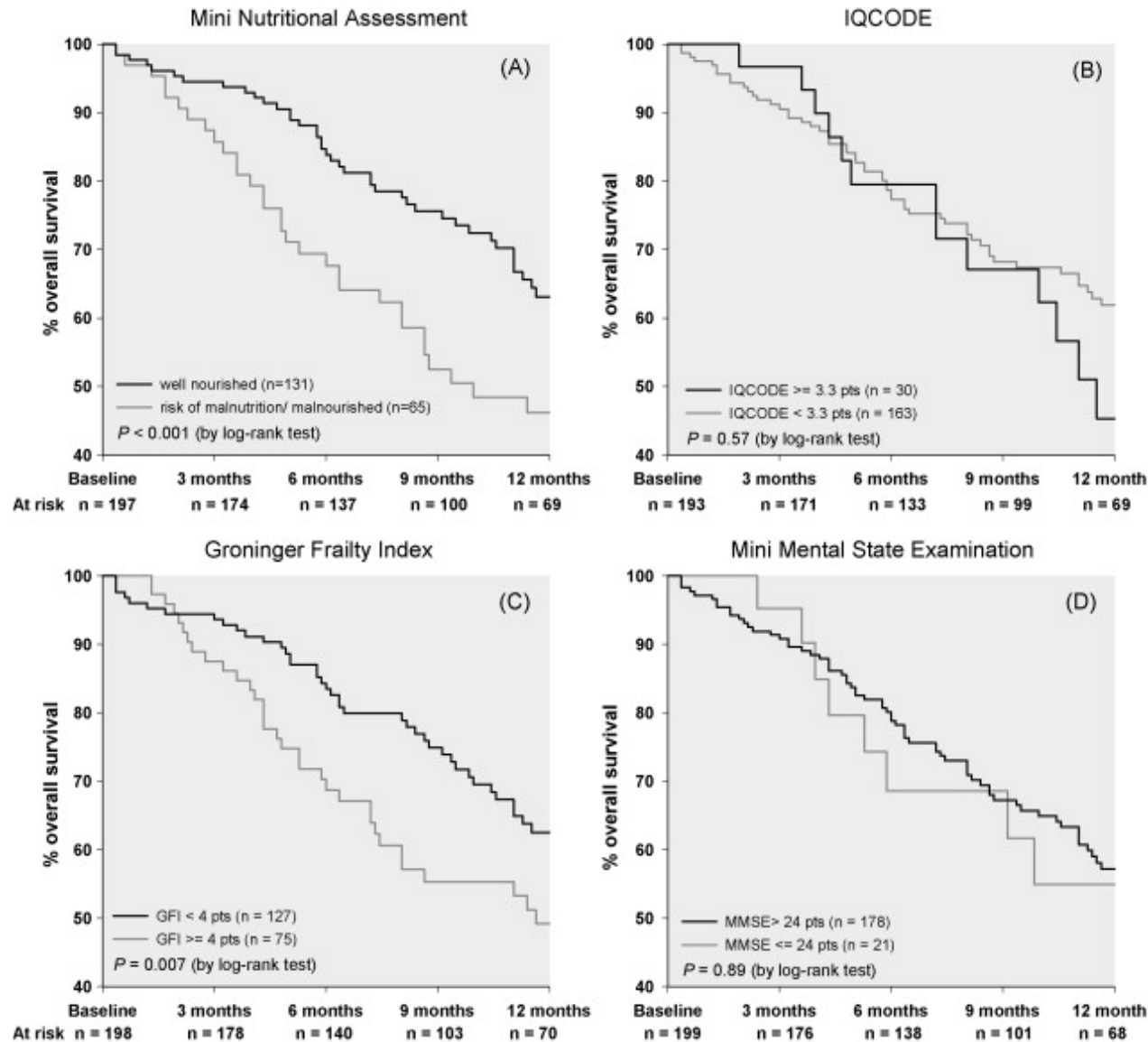
n= 419, 70 jaar of ouder, solide of hematologische tumor
Testen: Cumulative Illness Rating Scale for Geriatrics (CIRS-G),
MMSE, MNA, sociodemografische gegevens werden verzameld, en
medicatie werd bijgehouden.

Receiver operating characteristic analysis of the Vulnerable Elders Survey-13 score and impairment activities of daily living/instrumental activities of daily living scales.



	Sensitiviteit	specificiteit
VES-13	87%	62%
CGA	90%	70%

Luciani A et al. JCO 2010;28:2046-2050





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Groninger Frailty Indicator (GFI) vraag 1 t/m 9

			SCORE
1	Kunt u geheel zelfstandig de boodschappen doen?	Ja <input type="radio"/> ₀ Nee <input type="radio"/> ₁	<input type="checkbox"/>
2	Kunt u geheel zelfstandig buitenhuis lopen? (rondom uw huis of naar de burens lopen?)	Ja <input type="radio"/> ₀ Nee <input type="radio"/> ₁	<input type="checkbox"/>
3	Kunt u zich geheel zelfstandig aan- en uitkleden	Ja <input type="radio"/> ₀ Nee <input type="radio"/> ₁	<input type="checkbox"/>
4	Kunt u geheel zelfstandig naar de toilet gaan?	Ja <input type="radio"/> ₀ Nee <input type="radio"/> ₁	<input type="checkbox"/>
5	Als u een rapportcijfer zou moeten geven voor uw lichamelijke fitheid, waarbij een 1 staat voor een heel slecht cijfer, en een 10 staat voor uitstekend, wat zou dit cijfer dan zijn? 0-6 = 1 7-10 = 0		<input type="checkbox"/> <input type="checkbox"/>
6	Ondervindt u problemen in het dagelijks leven doordat u slecht ziet?	Ja <input type="radio"/> ₁ Nee <input type="radio"/> ₀	<input type="checkbox"/>
7	Ondervindt u problemen in het dagelijks leven doordat u slecht hoort?	Ja <input type="radio"/> ₁ Nee <input type="radio"/> ₀	<input type="checkbox"/>
8	Bent u de afgelopen 6 maanden veel afgevallen zonder dat u dat wilde?	Ja <input type="radio"/> ₁ Nee <input type="radio"/> ₀	<input type="checkbox"/>
9	Gebruikt u op dit moment 4 of meer verschillende soorten medicijnen?	Ja <input type="radio"/> ₁ Nee <input type="radio"/> ₀	<input type="checkbox"/>

Groninger Frailty Indicator (GFI) vraag 10 t/m 15

- 10 Heeft u klachten over uw geheugen ? Ja/Soms ₁ Nee ₀
- 11 Ervaart u wel eens een leegte om u heen? Ja/Soms ₁ Nee ₀
- 12 Mist u wel een mensen om u heen? Ja/Soms ₁ Nee ₀
- 13 Voelt u zich wel eens in de steek gelaten? Ja/Soms ₁ Nee ₀
- 14 Heeft u zich de laatste tijd somber of neerslachtig gevoeld? Ja/Soms ₁ Nee ₀
- 15 Heeft u zich de laatste tijd nerveus of angstig gevoeld? Ja/Soms ₁ Nee ₀

TOTAAL

VES-13

VES-13

1. Age _____

SCORE: 1 POINT FOR AGE 75-84
3 POINTS FOR AGE ≥ 85

2. In general, compared to other people your age, would you say that your health is:

- Poor,* (1 POINT)
- Fair,* (1 POINT)
- Good,
- Very good, or
- Excellent

SCORE: 1 POINT FOR FAIR or POOR

3. How much difficulty, on average, do you have with the following physical activities:

	<u>No</u> <u>Difficulty</u>	<u>A little</u> <u>Difficulty</u>	<u>Some</u> <u>Difficulty</u>	<u>A Lot of</u> <u>Difficulty</u>	<u>Unable</u> <u>to do</u>
a. stooping, crouching or kneeling?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> *	<input type="checkbox"/> *
b. lifting, or carrying objects as heavy as 10 pounds?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> *	<input type="checkbox"/> *
c. reaching or extending arms above shoulder level?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> *	<input type="checkbox"/> *
d. writing, or handling and grasping small objects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> *	<input type="checkbox"/> *
e. walking a quarter of a mile?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> *	<input type="checkbox"/> *
f. heavy housework such as scrubbing floors or washing windows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> *	<input type="checkbox"/> *

SCORE: 1 POINT FOR EACH * RESPONSE
IN Q3a THROUGH f. MAXIMUM OF 2
POINTS.

4. Because of your health or a physical condition, do you have any difficulty:

a. shopping for personal items (like toilet items or medicines)?

- YES → Do you get help with shopping? YES * NO
- NO
- DON'T DO → Is that because of your health? YES * NO

b. managing money (like keeping track of expenses or paying bills)?

- YES → Do you get help with managing money? YES * NO
- NO
- DON'T DO → Is that because of your health? YES * NO

Continued

c. walking across the room? USE OF CANE OR WALKER IS OK.

YES → Do you get help with walking? YES * NO

NO

DON'T DO → Is that because of your health? YES * NO

d. doing light housework (like washing dishes, straightening up, or light cleaning)?

YES → Do you get help with light housework? YES * NO

NO

DON'T DO → Is that because of your health? YES * NO

e. bathing or showering?

YES → Do you get help with bathing or showering? YES * NO

NO

DON'T DO → Is that because of your health? YES * NO

SCORE: 4 POINTS FOR ONE OR MORE *
RESPONSES IN Q4a THROUGH Q4e

