

Established and new treatments, old and new toxicities

Old toxicities, new incidence and grading



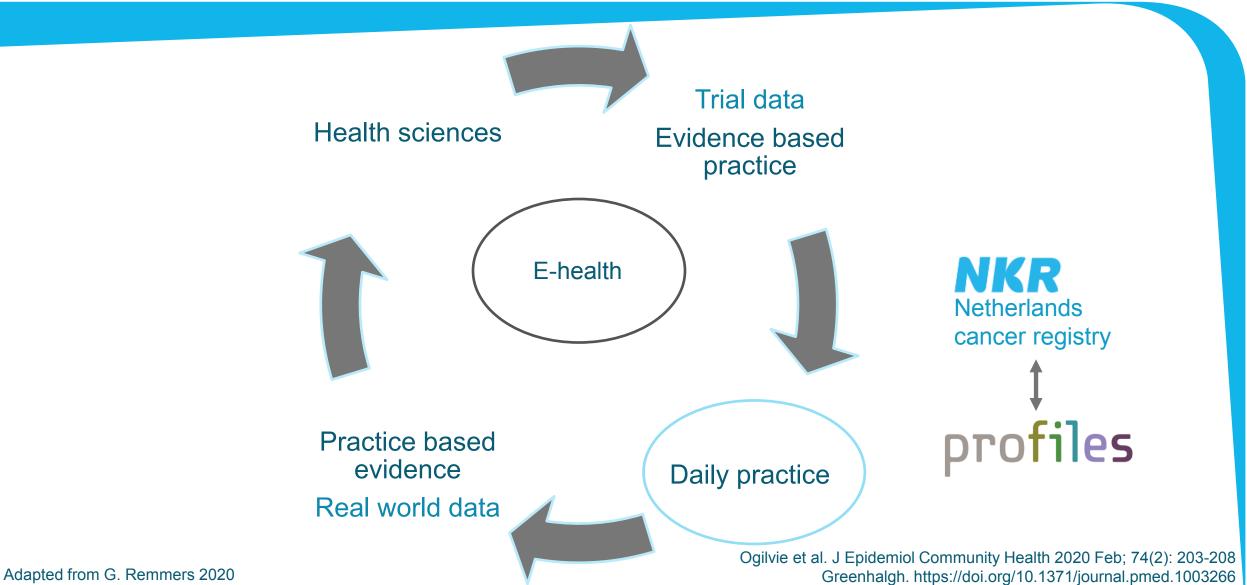
## **Disclosures**

## Institutional support for projects on symptom monitoring:

- AstraZeneca
- BMS
- Boehringer-Ingelheim
- Ipsen
- MSD
- Pfizer

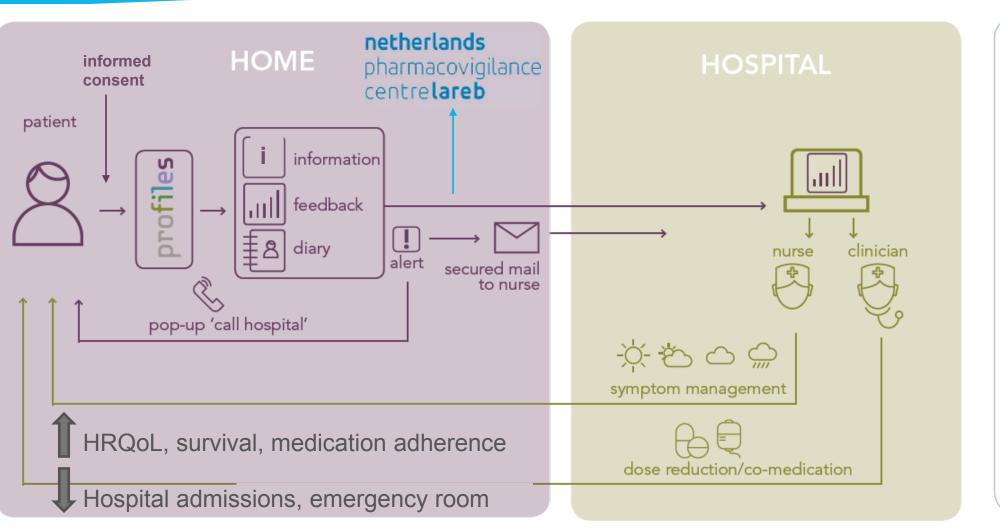


## PROMS in circular health care





# Monitoring Adverse Events during patient journey



| profiles  |
|---|
| Progress  |
| In the last 7 days, what was the SEVERITY of your COUGH at its WORST?                 |
| None  |
| Mild  |
| Moderate  |
| Severe  |
| <ul><li>Very severe</li></ul>   |
| In the last 7 days, how much did COUGH INTERFERE with your usual or daily activities? |
| Not at all  |
| A little bit  |
| Somewhat  |
| III O <   |



# Tremendous increase telemedicine by Covid-19

RESULTS Of 379 planned face-to-face appointments, 283 (75%) were converted to telemedicine. JCO Glob Oncol. 2020 Jul;6:1046-1051

#### Telemedicine During the COVID-19 Pandemic: **Impact on Care for Rare Cancers**

Aislinn Macklin-Doherty, MBChB, MD1.3; Elena Cojocaru, MD1; Amani Arthur, MBChB, MD1.3; Charlotte Benson, MBChB, MD1; Aisha B, Miah, MBBS, MD, PhD1,3; Shane Zaidi, MD, PhD1; Spyridon Gennatas, MBChB, MD, PhD1; and Robin L, Jones, MD1,

PURPOSE Many patients with cancer, often those with rare cancers such as sarcomas, travel long distances to access expert care. The COVID-19 pandemic necessitated widespread changes in delivery of cancer care, ncluding rapid adoption of telemedicine-based care. We aimed to evaluate the impact of telemedicine on atients, clinicians, and care delivery at the Royal Marsden Hospital (RMH) Sarcoma Unit during the pandemic.

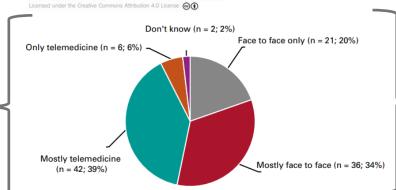
ETHODS Data were extracted from patient records for all planned outpatient appointments rcoma Unit from March 23 to April 24, 2020. Patients and clinicians completed separate questionnaires to

RESULTS of 379 planned face-to-face appointments, 283 (75%) were converted to telemedicine. Face-to-face nents remained for patients who needed urgent start of therapy or performance status assessment. Patients lived on average > 1.5 hours from RMH. Patient satisfaction (n = 108) with telemedicine was high (mean, 9/10), and only 48% (n = 52/108) would not want to hear bad news using telemedicine. Clinicians found telemedicine efficient, with no associated increased workload, compared with face-to-face appointments. Clinicians indicated lack of physical examination did not often affect care provision when using telemedicine. Most clinicians (n = 17; 94%) believed telemedicine use was practice changing; congruently, 80% (n = 86/108) of patients desired some telemedicine as part of their future care, citing reduced cost and travel time

CONCLUSION Telemedicine can revolutionize delivery of cancer care, particularly for patients with rare cancers who often live far away from expert centers. Our study demonstrates important patient and clinician benefits; assessment of longer-term impact on patient outcomes and health care systems is needed.



Tele



Face2Face 54%

Open access Review

Cancer Horizons

Check for updates

ESMO management and treatment adapted recommendations in the COVID-19 era: colorectal cancer

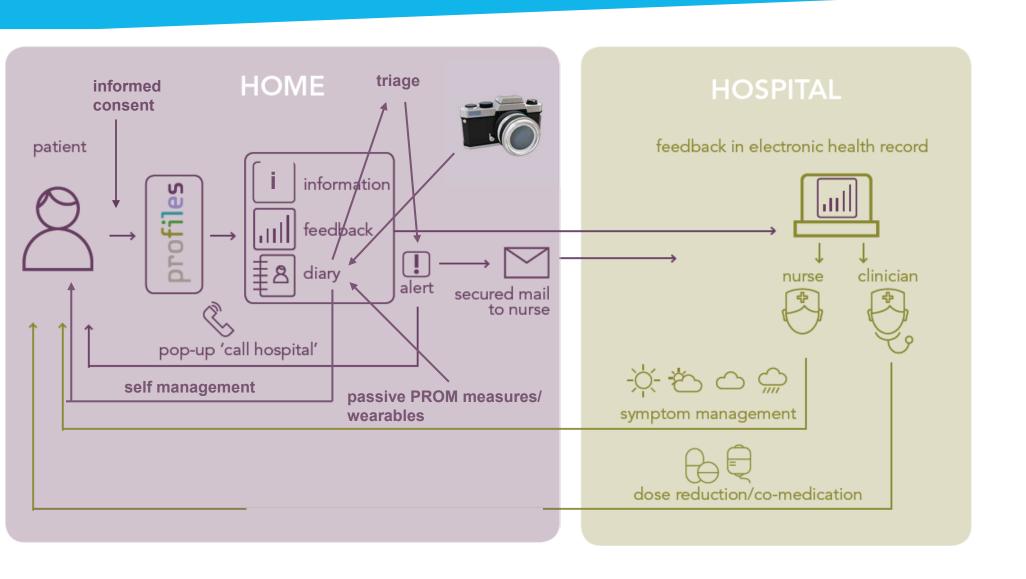
> Loredana Vecchione , , Sebastian Stintzing , George Pentheroudakis, Jean-Yves Douillard, Florian Lordick 6 6

on outcomes according to a high, medium or low priority scale, is outlined and discussed. The implementation of healthcare services using telemedicine is explored: it reveals itself as functional and effective for limiting patients' need to travel to centres and thereby has the potential to reduce diffusion of severe acute respiratory syndrome coronavirus 2. Colorectal cancer demands a considerable amount of medical resources. Therefore, the

Patient preference for future appointments

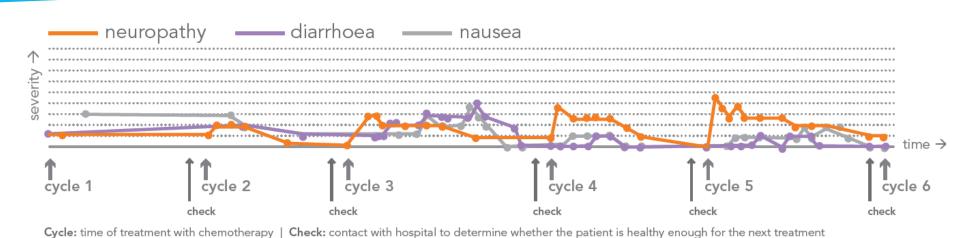


# Monitoring Adverse Events during patient journey



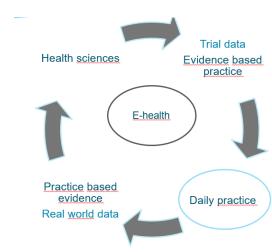


## Old toxicities, new incidence and grading



|                    |                  | _ |
|--------------------|------------------|---|
| CTCAE Max Grade 3+ | PRO-CTCAE Max 3+ |   |

|                   | СТС   | CAE Max Gra | ade 3+ | PRO-CTCAE Max 3+ |      |         |
|-------------------|-------|-------------|--------|------------------|------|---------|
| Symptom           | Cabo  | Mito        | Р      | Cabo             | Mito | Р       |
| Constipation      | 3.3%  | 1.8%        | 1.00   | 26%              | 13%  | 0.09    |
| Decrease appetite | 1.7%  | 5.3%        | 0.36   | 38%              | 15%  | 0.008   |
| Diarrhea          | 8.3%  | 1.8%        | 0.21   | 44%              | 11%  | < 0.001 |
| Fatigue           | 18.0% | 8.8%        | 0.18   | 36%              | 26%  | 0.30    |
| Nausea            |       |             |        | 38%              | 15%  | 0.008   |
| Short of breath   |       | 5.3%        | 0.11   | 14%              | 13%  | 1.00    |
| Vomiting          | 1.7%  | 7.0%        | 0.20   | 12%              | 7%   | 0.52    |



Eenbergen et al. SuppCareCancer. 2019 Sep;27(9):3411-3419 Dueck et al.JAMA Oncol. 2020 Feb 1;6(2):e193332







# FAIRify data: uniform language/data model



(Information about) data should be easy to find for both humans and computers.



Once found, the data should be accessible in a standardized and secure way.



It should be possible to integrate the data with other data and to use the data in other applications.



Data should be well-described so that they can be replicated or combined in different settings.

#### Aggregated AE data



#### Patient organisations



**Decision aids** 



Science



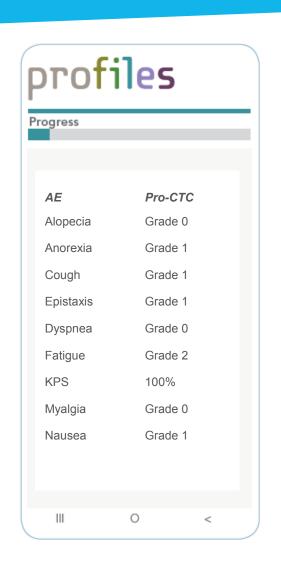
**VBHC/ Benchmarking** 

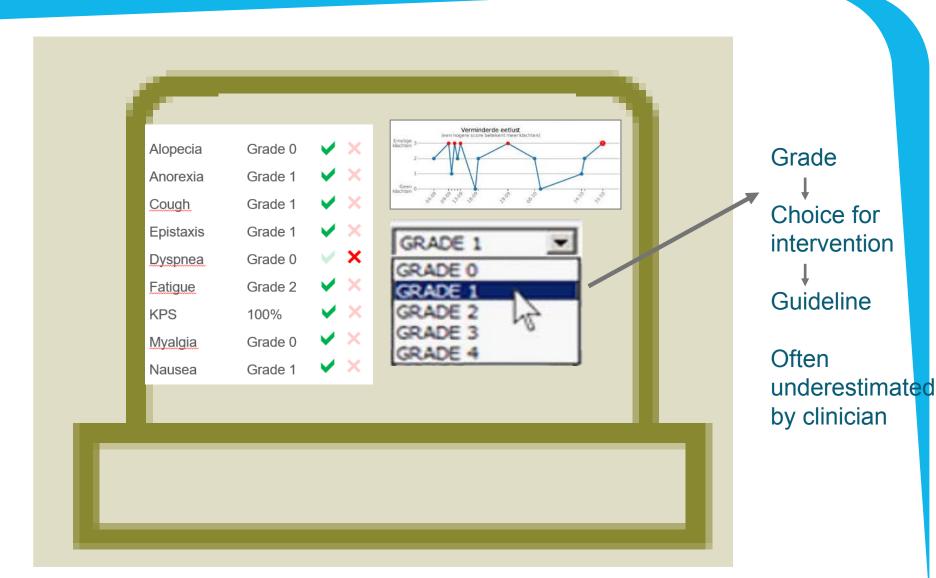


International projects



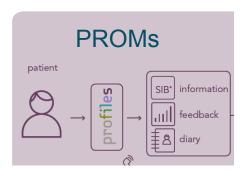






# Netherlands comprehensive cancer organisation

#### New AF data



#### Clinical





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Practice Resources | Assessment Tools

#### **MASCC Guidelines**

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Antiemetic Guidelines - Updated July 2019

The MASCC/ESMO Antiemetic Guidelines have been updated as of July 2019. The revised guidelines are based on the Copenhagen Consensus Conference on Antiemetic Therapy, June 2015, and have been endorsed by both MASCC and ESMO. See the MASCC/ESMO Antiemetic Guidelines for the full text of the Guidelines, supporting Consensus Recommendation Papers, and the updated Guideline Slide



Mucositis Guidelines - Updated July 2019

A major effort of the Mucositis Study Group of MASCC/ISOO has been a comprehensive review of the litera the development of evidence-based clinical practice guidelines. The first set of MASCC/ISOO Mucositis Gui journal Cancer in 2004, with updates published in 2007 and 2014. The most recent update papers were firs in Supportive Care in Cancer.



Special Article

Multinational Association of Supportive Care in Cancer (MASCC) 2020 clinical practice recommendations for the management of immune checkpoint inhibitor endocrinopathies and the role of advanced practice providers in the management of immune-mediated toxicities

Tim Cooksley, Monica Girotra, Pamela Ginex, Ruth Ann Gordon...

Pages 1-7

MASCC

**ESMO** 



Management of Treatment-Related Adverse Events



Live Virtual Experience // October 23-24, 2020



#### **ESMO CLINICAL PRACTICE GUIDELINES: SUPPORTIVE AND PALLIATIVE CARE**

**Pocket Guidelines** 

The ESMO Clinical Practice Guidelines (CPG) are intended to provide the user with a set of recommendations for the best standards of cancer care, based on the findings of evidence-based medicine

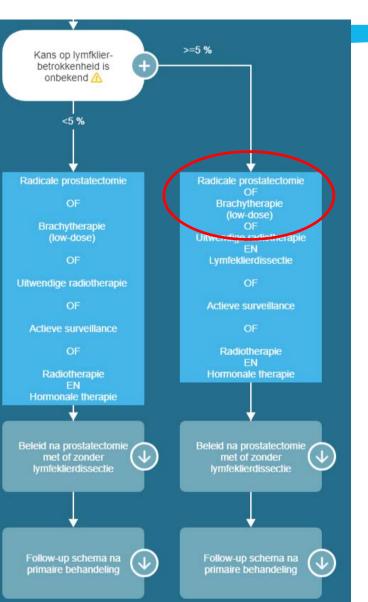
#### Latest enhanced and revised set of guidelines

Supportive and palliative care are areas of high importance in oncology and ESMO published Clinical Practice Guidelines on the management of a variety of issues: Constipation in advanced cancer, Delirium in Adult Cancer Patients, Diarrhoea in adult cancer patients. Management of anaemia and iron deficiency in patients with cancer, Management of infusion reactions to systemic anticancer therapy, Management of toxicities from immunotherapy, Management of febrile neutropaenia, MASCC and ESMO consensus guidelines for the prevention of chemotherapy and radiotherapyinduced nausea and vomiting, Treatment of dyspnoea in advanced cancer patients, Central venous access in oncology, Management of oral and gastrointestinal mucosal injury, Management of refractory symptoms at the end of life and the use of palliative sedation, Advanced care planning in palliative care, Bone health in cancer patients, Cancer, fertility and pregnancy, Management of chemotherapy extravasation, Cardiovascular toxicity induced by chemotherapy, targeted agents and radiotherapy, Management of cancer pain, Management of venous thromboembolism in cancer

The ESMO Clinical Practice Guidelines (CPG) are intended to provide the user with a set of recommendations for the best standards of cancer care, based on the findings of evidence-based medicine







Radical prostatectomy n=2000 (10%)

OS= 7.9 v

HRQoL (+)

A= 15

B= 37

C = 83

D= 46

4E (-)

1= 33%

2= 20%

3= 5%

4= 9%

Brachytherapy n=1000 (5%)

OS = 8,3 y

HRQoL (+)

A= 6

B= 78

C = 82

D= 77

AE (-)

1= 12%

2= 5%

3= 5%

4= 10%

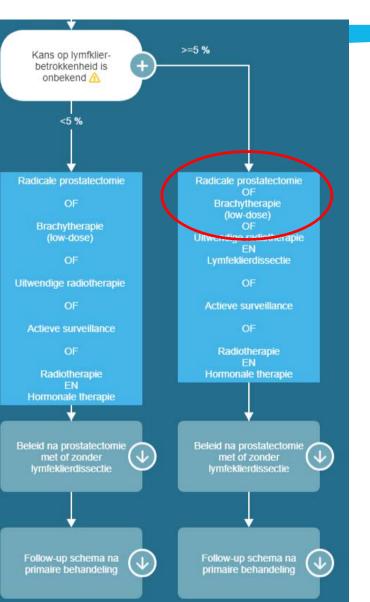
NK

profiles

NKR profiles







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A= 6

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C = 84

D= 77

AE (-)

1= 12%

2= 5%

3= 5%

4= 10%

NKR profiles

profiles



### **Practical**

• Standard care continues to exist: instruct immediately call in case of e.g. fever

### Lessons learned

- Implementation AE monitoring:
  - Linkage with EHR is crucial
  - Add to workflow in hospital: discuss results, react on alerts?
- Add to medicine curriculum: why and how to use PROMs / Aes -> the new standard care



## **Future**

- Patient tailored: short PROM, 3 open AE questions (WISP instrument)
- Refining alerts: minimal but safe
- Prediction models, e.g.
  - Clinical outcomes -> recurrence/ death
  - Short term AEs -> long term symptoms/ HRQoL
  - Combinations of symptoms, not life-threatening -> (S)AEs

**>** J Pain Symptom Manage. 2020 May;59(5):1009-1018. doi: 10.1016/j.jpainsymman.2019.12.006. Epub 2019 Dec 16.

Do Longitudinally Collected Symptom Scores Predict Time to Death in Advanced Breast Cancer: A Joint Modeling Analysis



- App is simple and low cost tool, only effective if used during consultation
- Overview over time to detect patterns: early intervention
- Advantageous outcomes for patient: survival, less severe symptoms, HRQoL
- Lower costs?: less admissions and emergency room visits, time?
- Higher costs?: co-medication, treatment duration, time?
- Consult: direct focus on important AEs
- Better view on AE incidence/ grading
  - Enrich guidelines
  - Improve patient information

Plea for unity in digital language & don't reinvent the wheel

# MASCC/ISOO

Your Partners in

# SUPPORTIVE CANCER CARE

of expertise dedicated to multidisciplinary RESEARCH & EDUCATION in Supportive Care in Cancer





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- Collaboration with global experts in cancer care
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- Monthly Society News and access to our Member Directory
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- Scholarship and award opportunities
- Access to practice guidelines, tools, & educational materials
  - \* MASCC/ESMO Antiemetic Guidelines
  - \* MASCC/ISOO Mucositis Guidelines
  - \* MASCC Antiemesis Tool (MAT)
  - \* MASCC Oral Agent Teaching Tool (MOATT)
  - MASCC EGFR Inhibitor Skin Toxicity Tool (MESTT)







Established and new treatments, old and new toxicities Old toxicities, new incidence and grading Real world data, new knowledge



SUPPORTIVE CARE MAKES EXCELLENT CANCER CARE POSSIBLE

2021 24-26 JUNE SEVILLE

**SAVE THE DATE** 

MASCC/ISOO

Annual Meeting on Supportive Care in Cancer

WWW.MASCC.ORG/MEETING







