

Exploratory Workshop Scheme

Scientific Review Group for the Bio-Medical Sciences

ESF Exploratory Workshop on

Enhancing the quality and safety of pharmacotherapy in old age

Ghent (Belgium), june 12-14 2014

Convened by: Monique Elseviers^{0,2}, Robert Vander Stichele⁰

① Department of Clinical Pharmacology, University of Ghent, Belgium
② Centre for Research and Innovation in Care, University of Antwerp, Belgium



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ESF is in a period of transition; the ESF Member Organisations (MO's) have indicated that they would like to wind down certain ESF activities, such as EUROCORES, RNP's, ECRP's and Forward Looks by the end of 2015, but ESF will continue to honour its existing commitments until the projects are finalised.

In 2013 the only research instrument that will have a call for proposals is the Exploratory Workshops. The focus of the Exploratory Workshops scheme is on workshops aiming to explore an emerging and/or innovative field of research or research infrastructure, also of interdisciplinary character. Workshops are expected to open up new directions in research or new domains. It is expected that a workshop shall conclude with plans for follow-up research activities and/or collaborative actions or other specific outputs at international level.

ESF is also currently exploring new areas where we could serve the science community. Services we have identified that would leverage our expertise and experience and provide added-value to the science community are: peer review, evaluation, research conferences and career tracking.

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1 quai Lezay Marnésia BP 90015 67080 Strasbourg Cedex France Fax: +33 (0)3 88 37 05 32 <u>http://www.esf.org</u>

ESF Exploratory Workshops:

Jean-Claude Worms Head, Science Support Office Nathalie Geyer-Koehler Administrative Coordinator Tel: +33 (0)3 88 76 71 48

Isabelle May Administrative Coordinator Tel: +33 (0)3 88 76 71 46

Email: <u>ew-office@esf.org</u> http://www.esf.org/workshops



ESF Exploratory Workshop: Enhancing the quality and safety of pharmacotherapy in old age *Ghent (Belgium), 12-14 June 2014*

Convenors:

Monique Elseviers monique.elseviers@uantwerpen.be University of Ghent Department of clinical pharmacology 1 blok B, De Pintelaan 185, 9000 Ghent

Robert Vander Stichele robert.vanderstichele@ugent.be

University of Ghent Department of clinical pharmacology 1 blok B, De Pintelaan 185, 9000 Ghent

Main Objectives of the Workshop:

The ESF exploratory meeting will focus on the problems encountered in the pharmacological care for old adults, aiming to develop an adapted set of prescribing quality indicators useful for the regular electronic monitoring of the quality of prescribing in older adults using existing data collection systems of medication lists and available clinical parameters.

Most knowledge needed to improve the safety and efficacy of pharmacotherapy and to develop a set of prescribing quality indicators is available, albeit in fragmented format spread over many research institutions. The meeting will be used to bring all available knowledge together and to organize expert discussions for selection of criteria useful to develop an electronic assessment tool.

Exploratory and innovative value

The health of old adults and the associated quality of pharmacological care is a neglected area of research in our society. Pharmaceutical industry mainly focuses on the use of their products in younger adults. Older patients, with their polypathology and associated polypharmacy, are never used to document the effectiveness and efficacy of pharmaceutical products and were seldom involved in safety research. Within this ESF meeting, safety issues will be addressed by an harmonization of the terminology used in the field of pharmacovigilance in old adults and by exploring all available evidence to adapt drug therapy to the specific requirements of the very old (dose reductions and depriscribing, specific drug reactions and drug-drug interactions). On the other hand, an inventory will be made of all lists of inappropriate prescribing to generate a PIM score based on the medications mainly used in old adults of European member states. Once the requirements of safety and efficacy are clearly established in a general framework, a set of prescribing quality indicators will be proposed to monitor pharmacological care in old adults on a regular and automated way.



Workshop Agenda

Preparatory documents

A key aspect of this workshop will be the selection of PIM scores useful for the electronic assessment of safety and quality of pharmacotherapy in old age. A workdocument will be prepared with <u>an inventory of published PIM scores</u> together with the required clinical information needed to perform the scoring.

In order to facilitate the discussion on the terminology of <u>drug related problems</u>, a <u>glossary</u> of terms and definitions used in this field will be distributed to all participants by the start of the workshop handling this topic.

Involvement of delegates in the ESF workshop

Participants of the workshop were selected on the base of their diverse expertise (safety, quality, PIM scoring systems, quality indicators...) in the field of pharmacotherapy in advanced age. Their expertise will be intensively used during the meeting by inviting them to give a presentation related to their scientific involvement in this field. Although all delegates were contacted and confirmed their attendance, the proposed

presentations still need to be confirmed by the participants.

The presentations (P) on the different aspects of pharmacotherapy will be followed by workshops (WS) and panel discussions (PD) to obtain a common proposal for an electronic assessment aiming to improve the safety and quality of pharmacotherapy in old age.

Report publication and dissemination

This ESF meeting will focus on pharmacological care in older adults aiming to improve the safety and quality of treatment and to avoid inappropriate prescribing for frail elderly living at home as well as for nursing home residents.

Deliverables will be:

- The development of a conceptual framework based on evidence based recommendations to adapt pharmacological treatment to the specific requirements of safety and quality in caring for old adults
- A clear classification of the different stages of drug related problems in the elderly
- An inventory of published lists of inappropriate prescribing criteria
- An expert based proposal of a general PIM list adapted to the European drug market and useful for regular automated monitoring of existing data collection systems taking into account the presence and the amount of available clinical information
- A set of prescribing quality indicators to evaluate pharmacological care of old adults taking into account safety as well as efficacy issues

As a direct outcome of the workshop, these deliverables will be included in the scientific report of workshop.

Concrete actions for a broad dissemination of the results will be developed in the final session of the workshop. Also additional initiatives for the development of a collaborative research project at the European level will be discussed using the proposed assessment tools to develop a longterm follow-up program aiming to investigate the associated health outcome in advanced age.



PRELIMINARY PROGRAMME

Thursday, 12 June 2014

Morning	Arrival
12.30-14.30	Lunch – informal welcome at conference place
13.30-13.40	Welcome by Convenors Monique Elseviers and Robert Vander Stichele (Ghent University, Belgium)
13.40-14.00	Presentation of the European Science Foundation (ESF) Roger Bouillon (Scientific Review Group for the Bio-Medical Sciences)
14.00-18.00	Session1: Conceptual framework of safety and quality of pharmacotherapy in old age
14.00-14.20	P: Introduction: Epidemiology and perspectives of the old age population, health profile, pharmacotherapy and drug related problems Monique Elseviers (Ghent University, Belgium)
14.20-14.40	P: Development of a conceptual framework of safety and quality Robert Vander Stichele (Ghent University, Belgium)
14.40-15.00	P: Safety of pharmacotherapy in old age Jeffrey Aronson (Oxford University, United Kingdom)
15.00-15.20	Coffee / tea break
15:20-16:20	WS-PD: Terminology in the field of drug related problems Introduced by Tinne Dilles (Antwerp University, Belgium)
16:20-16:40	P: Quality of pharmacotherapy in old age Petra Denig (Groningen University, the Netherlands)
16:40-17.00	P: Deprescribing in old age Flora Haaijer Ruskamp (Groningen University, the Netherlands)
17:00-18:00	PD: Definining a conceptual framework of safety and quality Convenor: Robert Vander Stichele (Ghent University, Belgium)

Dinner



Friday 13 June, 2014

09.00-12.30	Session2: Potentially inappropriate medication (PIM) lists for the assessment of safety and quality of pharmacotherapy in old age
09.00-10:00	P: Presentations of established PIM lists: development, content, applications (3x20') Petra Thürmann (Helios Klinikum, Wuppertal, Germany) Sabine Ruths (University of Bergen, Norway) Denis O'Mahony (Cork University Hospital, Ireland)
10.00-10.40	PD: Inventory of published PIM lists Introduced by Majda Azermai (Ghent University, Belgium)
10.40-11.00	Coffee / Tea Break
14.00-14.45	P: Experiences with the regular use of PIM lists (3x20') Hege Salvesen Blix (Norwegian Institute of Public Health, Norway). Katja Taxis (University of Groningen, the Netherlands) Kristina Johnell (Karolinska University, Stockholm, Sweden)
12.00-12.30	PD: Published PIM lists: inventory of required associated clinical data Introduced by Majda Azermai (Ghent University, Belgium)
12.30-14.00	Lunch
14.00-18.00	Session3: Assessment of safety and quality of pharmacotherapy in old age
14.00-15:00	P: Presentations of established assessment tools: development, content, applications (3x20') Paul Jansen (University Medical Centre, Utrecht, the Netherlands) Rupert Payne (University of Cambridge, United Kingdom) Tuomas Koskela (University of Tampere, Finland)
15.00-15.30	PD: Requirements for the regular electronic assessment of safety
	and quality Introduced by Robert Vander Stichele (University of Ghent, Belgium)
15.30-16.00	and quality
15.30-16.00 16.00-17.30	and quality Introduced by Robert Vander Stichele (University of Ghent, Belgium)
	and quality Introduced by Robert Vander Stichele (University of Ghent, Belgium) Coffee / tea break WS: Selection of PIM scores for the regular electronic assessment of safety and quality
16.00-17.30	and quality Introduced by Robert Vander Stichele (University of Ghent, Belgium) Coffee / tea break WS: Selection of PIM scores for the regular electronic assessment of safety and quality Introduced by Monique Elseviers (University of Ghent, Belgium) PD: Selection of PIM scores for the regular electronic assessment of safety and quality



Saturday 14 June 2014

09.00-10.30	Session4: Defining prescribing quality indicators in advanced age
09.00-09.30	P: Prescribing quality indicators: theoretical background and specific requirements in vue of safety and quality in advanced age Petra Denig, Flora Haaijer Ruskamp (University of Groningen, the Netherlands)
09.30-10.40	WS+PD Selection of prescribing quality indicators in advanced age Convenor Robert Vander Stichele (University of Ghent, Belgium)
10.40-11.00	Coffee / Tea Break
11.00-12:30	Session5: Future perspectives
11.00-11.20	P: Integration of the assessment of quality and safety of pharmacotherapy in the RAI data collection Daniela Fialová (Charles University, Prague, Czech Republic)
11:20-12.20	WS+PD Dissemination of the results and future research perspectives Convenor Monique Elseviers (University of Ghent, Belgium)
12:20-12.30	P Closing remarks Robert Vander Stichele (University of Ghent, Belgium)

12:30 End of Workshop and departure



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Objectives of the

ESF Scientific Review Group for the Bio-Medical Sciences

The **ESF Scientific Review Group for the Bio-Medical Sciences** has overall responsibility for initiating and coordinating ESF's scientific activities in medical sciences and for providing expert advice on issues of science policy. It covers a broad range of disciplines and the Scientific Review Group's main objectives range from promoting interactions between the biomedical and clinical research communities, through providing policy advice, to stimulating collaboration in emerging research areas.

The Scientific Review Group for the Bio-Medical Sciences covers fields such as:

- Diagnostic and therapeutic medicine
- Neurobiology
- Immunology
- Clinical studies
- Communicable diseases
- Human genetics & functional genomics
- Medicinal biotechnology
- Public Health, etc.

ESF Medical Sciences Staff:

Maria Manuela Nogueira Senior Science Officer Blanche Facchini Administrative Coordinator

 Tel:
 +33 (0)3 88 76 21 80

 Email:
 med@esf.org

 Website : http://www.esf.org/emrc



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Ghent (Belgium), 12-14 June 2014

Provisional List of Participants

Convenors:

1. Monique Elseviers

monique.elseviers@ua.ac.be Ghent University Department of Clinical Pharmacology De Pintelaan 185, 1 blok B 9000 Gent Belgium University of Antwerp Centre for Research and Innovation in Care CDE R3.29 Universiteitsplein 1, 2610 Wilrijk Belgium

2. Robert Vander Stichele

robert.vanderstichele@ugent.be Ghent University Department of Clinical Pharmacology De Pintelaan 185, 1 blok B 9000 Ghent Belgium

ESF Representative:

Roger Bouillon

roger.bouillon@med.kuleuven.be Laboratory for Experimental Medicine and Endocrinology Katholieke Universiteit Leuven Herestraat 49 3000 Leuven Belgium

Administration and reporting:

Jolyce Bourgois

Jolyce.Bourgeois@UGent.be Ghent University Department of Clinical Pharmacology De Pintelaan 185, 1 blok B, 9000 Gent Belgium

Katrina Perehudoff

Katrina.Perehudoff@UGent.be

Ghent University Department of Clinical Pharmacology De Pintelaan 185, 1 blok B, 9000 Gent Belgium

Participants:

3. Mirko Petrovic

mirko.petrovic@UGent.be Ghent University Hospital Department of Geriatrics Universitair ziekenhuis Gent, De Pintelaan 185 9000 Gent Belgium

4. Majda Azermai

<u>majda.azermai@ugent.be</u> Ghent University, Department of Clinical Pharmacology De Pintelaan 185, 1 blok B, 9000 Gent Belgium

5. Tinne Dilles

Tinne.Dilles@ua.ac.be University of Antwerp Department Nursing Sciences CDE R3.32, Universiteitsplein 1 2610 Wilrijk Belgium

6. Fialová Daniela

Daniela.Fialova@lf1.cuni.cz Charles University in Prague, Dept. of Geriatrics and Gerontology, 1st Faculty of Medicine, Ovocný trh 3-5 116 36 Prague 1 Czech Republic

7. Jesper Hallas

jhallas@health.sdu.dk University of Southern Denmark J. B. Winsløws Vej 19, 2. 5000 Odense C Denmark

8. Tuomas Koskela

tuomas.koskela@pihlajalinna.fi University of Tampere, department of general practice Duodecim Medical Publications Ltd. Kalevantie 4 33014 Tampereen yliopisto Finland

9. Petra A Thürmann

petra.thuermann@helios-kliniken.de University of Witten/Herdecke, Philipp Klee-Institute for Clinical Pharmacology. HELIOS Klinikum Wuppertal, Heusnerstr. 40 42283 Wuppertal Germany

10. Denis O'Mahony

denis.omahony@mailp.hse.ie Cork University Hospital Department of Medicine University College Cork & Consultant Geriatrician Wilton, Cork Ireland

11. Katja Taxis

k.taxis@rug.nl

University of Groningen Department Pharmacotherapy and Pharmaceutical patient care Antonius Deusinglaan 1 9713 AV Groningen Netherlands

12. Flora Haaijer Ruskamp

f.m.haaijer-ruskamp@med.umcg.nl Department of Clinical Pharmacy and Pharmacology University Medical Center Groningen HPCode FB20, PO Box 196 Antonius Deusinglaan 1 9713 AV Groningen Netherlands

13. Petra Denig

p.denig01@umcg.nl Department of Clinical Pharmacy and Pharmacology University Medical Center Groningen HPCode FB20, PO Box 196 9700 AD Groningen Netherlands

14. Paul Jansen

P.A.F.Jansen@umcutrecht.nl Universiteit Utrecht, Department of Geriatric Medicine B05.256, P.O. Box 85500 3508 GA Utrecht, Netherlands

15. Hege Salvesen Blix

hege.salvesen.blix@fhi.no Norwegian Institute of Public Health, Department of Pharmacoepidemiology PO Box 4404 0403 Oslo Norway

16. Sabine Ruths

sabine.ruths@isf.uib.no University of Bergen Department of Global Public Health and Primary Care Kalfarveien 31 5018 Bergen Norway

17. Monica Bergqvist

monica.bergqvist@ki.se Karolinska Institutet, Institutionen för neurobiologi vårdvetenskap och samhälle Sektionen för omvårdnad, Alfred Nobels Allé 23, Box 23300 141 83 Huddinge Sweden

18. Kristina Johnell

kristina.johnell@ki.se Karolinska Institutet and Stockholm University Aging Research Center Department of Neurobiology, Care Sciences and Society, Gävlegatan 16 113 30 Stockholm Sweden

19. Marion Bennie

marion.bennie@strath.ac.uk University of Strathclyde, Pharmacy Practice 16 Richmond Street Glasgow G1 1XQ Scotland

United Kingdom

20. Jeffrey Aronson

jeffrey.aronson@phc.ox.ac.uk Oxford University Nuffield Department of Primary Care Health Sciences Radcliffe Observatory Quarter Woodstock Road Oxford OX2 6GG United Kingdom

21. Rupert Payne

rap55@medschl.cam.ac.uk University of Cambridge The Primary Care unit Institute of Public Health IPH, Forvie Site Robinson Way Cambridge CB2 0SR United Kingdom

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