17 February 2017
EMA/CAT/176510/2017
Inspections, Human Medicines Pharmacovigilance & Committees Division

Committee for Advanced Therapies (CAT)

Minutes for the meeting on 18 – 20 January 2017

Chair: Paula Salmikangas - Vice-chair: Martina Schüßler-Lenz

18 January 2017, 14:00 – 18:30, room 03-E
19 January 2017, 09:00 – 18:30, room 03-E
20 January 2017, 09:00 – 12:00, room 03-E

Health and safety information

In accordance with the Agency's health and safety policy, delegates are to be briefed on health, safety and emergency information and procedures prior to the start of the meeting.

Disclaimers

Some of the information contained in these minutes is considered commercially confidential or sensitive and therefore not disclosed. With regard to intended therapeutic indications or procedure scopes listed against products, it must be noted that these may not reflect the full wording proposed by applicants and may also vary during the course of the review. Additional details on some of these procedures will be published in the CAT meeting reports once the procedures are finalised.

Of note, the minutes are a working document primarily designed for CAT members and the work the Committee undertakes.

Note on access to documents

Some documents mentioned in the minutes cannot be released at present following a request for access to documents within the framework of Regulation (EC) No 1049/2001 as they are subject to on-going procedures for which a final decision has not yet been adopted. They will become public when adopted or considered public according to the principles stated in the Agency policy on access to documents (EMA/127362/2006).

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1. Introduction

1.1. Welcome and declarations of interest of members, alternates and experts

In accordance with the Agency's policy on handling of declarations of interests of scientific committees' members and experts, based on the declarations of interest submitted by the Committee members, alternates and experts and based on the topics in the agenda of the current meeting, the Committee Secretariat announced that no restriction in the involvement of meeting participants in upcoming discussions was identified.

Participants in this meeting were asked to declare any changes, omissions or errors to their declared interests and/or additional restrictions concerning the matters for discussion. No new or additional interests or restrictions were declared.

Discussions, deliberations and voting took place in full respect of the restricted involvement of Committee members and experts in line with the relevant provisions of the Rules of Procedure and as included in the list of participants. All decisions taken at this meeting were made in the presence of a quorum of members (i.e. 22 or more members were present in the room). All decisions, recommendations and advice were agreed by consensus, unless otherwise specified.

1.2. Adoption of agenda

CAT agenda for the 18-20 January 2017 meeting was adopted.

1.3. Adoption of the minutes

CAT minutes for the 08-09 December 2016 meeting were adopted.

2. Evaluation of ATMPs

2.1. Opinions

No items

2.2. Oral explanations

No items

2.3. Day 180 list of outstanding issues

No items

2.4. Day 120 list of questions

No items

2.5. Day 80 assessment reports

No items

2.6. Update on ongoing initial applications

2.6.1. Expanded human allogeneic mesenchymal adult stem cells extracted from adipose tissue; Orphan; EMA/H/C/0004258

TiGenix S.A.U.; Treatment of complex perianal fistula(s)

Scope: oral report by the Rapporteurs

Action: for information

The Rapporteurs provided a short oral update.

2.6.2. Human autologous spheroids of matrix– associated chondrocytes for transplantation; EMA/H/C/0002736

Treatment of adults and adolescents with a closed epiphyseal growth plate

Scope: oral report by the Rapporteurs

Action: for information

The Rapporteurs provided a short oral update.

2.7. New applications

Disclosure of information related to this section cannot be released at the present time as it is deemed to contain commercially confidential information.

2.8. Withdrawal of initial marketing authorisation application

No items

2.9. Re-examination of initial application procedures under Article 9(2) of Regulation No. 726/2004

No items

2.10. GMP and GCP inspections requests

Disclosure of information related to this section cannot be released at the present time as it is deemed to contain commercially confidential information.

2.11. Type II variations - variation of therapeutic indication procedure according to Commission Regulation (EC) No 1234/2008

2.11.1. Imlygic – Talimogene laherparepvec; EMA/H/C/002771/II/08

Amgen Europe B.V.

Rapporteur: Olli Tenhunen; CHMP Coordinator: Tuomo Lapveteläinen

Scope: type II variation: quality

Action: for adoption (via written procedure): evaluation timetable

The evaluation timetable was adopted.

2.12. Other Post-Authorisation Activities

2.12.1. Glybera – Alipogene tiparvovec; Orphan; EMA/H/C/002145 S/57 Annual Re-Assessment (ANN 011)

UniQure Biopharma B.V.

Rapporteur: Christiane Niederlaender; CHMP Coordinator: Greg Markey; PRAC Rapporteur: Julie Williams

Scope: request for supplementary information

Action: for adoption

The request for supplementary information was adopted.

Post meeting note:

The annual Re-Assessment S/57 and SOB 002.6 are being assessed together, so the same review will apply to the continuation of the assessment for these procedures.

2.12.2. Glybera – Alipogene tiparvovec; Orphan; EMA/H/C/002145 SOB002.6

UniQure Biopharma B.V.

Rapporteur: Christiane Niederlaender; CHMP Coordinator: Greg Markey; PRAC Rapporteur: Julie Williams

Scope: clinical and PhV: SOB002.6 (assessment of postprandial chylomicron metabolism in at least 12 patients before 12 months and 24 months after treatment with Glybera to be chosen in addition to the patients included in study CT-AMT.011.02 and eight healthy subjects in the second study): request for supplementary information

Action: for adoption

The request for supplementary information was adopted.

Post meeting note:

The annual Re-Assessment S/57 and SOB 002.6 are being assessed together, so the same review timetable will apply to the continuation of the assessment for these procedures.

3. Certification of ATMPs

Disclosure of information related to this section cannot be released at the present time as it is deemed to contain commercially confidential information.

3.1. Opinion

3.2. Day 60 Evaluation Reports

3.3. New Applications

4. Scientific Recommendation on Classification of ATMPs

4.1. New requests – Appointment of CAT Coordinators

4.1.1. Autologous tumour-infiltrating lymphocytes (TIL); EMA/H0004741

Intended for the treatment of metastatic melanoma

Scope: appointment of CAT Coordinator and adoption of timetable

Action: for adoption

Nominations were received. The CAT member was appointed as CAT coordinator for this procedure.

4.2. Day 30 ATMP scientific recommendation

4.2.1. Adeno-associated virus type 8 encoding the human myotubularin (MTM1) gene; EMA/H0004719

Intended for the treatment of X-linked myotubular myopathy (XLMTM)

Scope: scientific recommendation

Action: for adoption

CAT discussed the ATMP classification report. CAT adopted by consensus the ATMP classification report. CAT secretariat to send the draft scientific recommendation to the European Commission for comments.

The CAT recommendation will be considered final if no comments are received from the European Commission. The final report will be sent thereafter to the applicant.

4.2.2. Messenger ribonucleic acid (mRNA) components encoding six non-small cell lung cancer associated antigens; EMA/H0004716

Intended for the treatment of non-small cell lung cancer (NSCLC)

Scope: scientific recommendation

Action: for adoption

CAT discussed the ATMP classification report. CAT adopted by consensus the ATMP classification report. CAT secretariat to send the draft scientific recommendation to the European Commission for comments.

The CAT recommendation will be considered final if no comments are received from the European Commission. The final report will be sent thereafter to the applicant.

4.2.3. Messenger ribonucleic acid (mRNA) construct encoding the wild type human OX40L protein; EMA/H0004726

Intended for the treatment of solid tumours

Scope: scientific recommendation

Action: for adoption

CAT discussed the ATMP classification report. CAT adopted by consensus the ATMP classification report. CAT secretariat to send the draft scientific recommendation to the European Commission for comments.

The CAT recommendation will be considered final if no comments are received from the European Commission. The final report will be sent thereafter to the applicant.

4.2.4. Bone marrow derived mesenchymal cells (MSCs); EMA/H0004718

Intended for the treatment of acute graft *versus* host disease

Scope: scientific recommendation

Action: for adoption

CAT discussed the ATMP classification report. CAT adopted by consensus the ATMP classification report. CAT secretariat to send the draft scientific recommendation to the European Commission for comments
The CAT recommendation will be considered final if no comments are received from the European Commission. The final report will be sent thereafter to the applicant.
Allogeneic cytomegalovirus-specific cytotoxic T lymphocytes (CMV-CTLs); Orphan; EMA/H0004717 Intended for the treatment of cytomegalovirus-associated viraemia or disease after allogeneic haematopoietic cell transplant or solid organ transplant

Scope: scientific recommendation

Action: for adoption

CAT discussed the ATMP classification report. CAT adopted by consensus the ATMP classification report. CAT secretariat to send the draft scientific recommendation to the European Commission for comments
The CAT recommendation will be considered final if no comments are received from the European Commission. The final report will be sent thereafter to the applicant.

4.3. Day 60 revised ATMP scientific recommendation (following list of questions)

No items

4.4. Finalisation of procedure

4.4.1. Bone marrow-derived lineage-negative heterogenic stem and progenitor cells; EMA/H0004703

Intended for the treatment of amyotrophic lateral sclerosis in adults

Scope: no comments raised by the European Commission

Action: for information

4.4.2. Leukocytes with cancer killing activity; EMA/H0004704

Intended for the treatment of metastatic pancreatic ductal adeno carcinoma

Scope: no comments raised by the European Commission

Action: for information

4.5. Follow-up and guidance

4.5.1. Informal classification discussion on the request of a National Competent Authority

5. CAT discussed the classification of genetically modified oncolytic viruses. Scientific Advice

Disclosure of information related to this section cannot be released at the present time as it is deemed to contain commercially confidential information.

5.1. New requests – appointment of CAT Coordinators

5.2. CAT Rapporteurs' reports

5.3. List of Issues

5.4. Finalisation of SA procedures

6. Pre-Authorisation Activities

Disclosure of information related to this section cannot be released at the present time as it is deemed to contain commercially confidential information.

6.1. Paediatric investigation plans

6.2. ITF briefing meetings in the field of ATMPs

6.3. Priority Medicines (PRIME) – Eligibility requests

6.3.1. Month 0 - Start of the procedure

6.3.2. Month 1 – Discussion of eligibility

6.3.3. Month 2 – Recommendation of eligibility

6.3.4. Month 3 – Nomination of Rapporteurs

6.3.5. Ongoing support

7. Organisational, regulatory and methodological matters

7.1. Mandate and organisation of the CAT

7.1.1. Elections for Chairperson and Vice-Chairperson to CAT

Scope: election of Chair to take place in February 2017; election of Vice-Chair to take place in March 2017

Action: for information

CAT noted the above timelines and the procedure for chair and vice-chair election.

7.1.2. CAT membership

Norway: Marit Hystad – termination of mandate as member Finland: Tiina Palomäki – termination of mandate as member

Action: for information

CAT noted the finalisation of the mandate for both members. The CAT Chair, on behalf of the entire Committee, thanked the colleagues for their long-standing contribution to the work of the CAT and wished them success for the future.

7.1.3. Strategic Review & Learning meeting

CAT Strategic Review & Learning meeting will take place in Gozo, Malta on 1-2 June 2017 under the auspices of the Maltese Presidency of the Council of the European Union

CAT resources: John-Joseph Borg

Scope: introduction by the Maltese CAT member

Action: for information

The Maltese CAT member introduced the CAT Strategic Review and Learning meeting**.** CAT members were asked to note the dates for this meeting. The draft agenda will be presented for discussion at the February CAT agenda.

7.1.4. CAT meetings: moving further towards paperless system

Action: for information

From this month on, print-outs of the minutes and the seating plan are no longer provided to the CAT members.

7.1.5. Committee for Medicinal Products for Human Use (CHMP)

Scope: Summary of Outcomes (SoO) for the December 2016 meeting

Action: for information

The information was noted.

7.2. Coordination with EMA Working Parties/Working Groups/Drafting Groups

7.2.1. ATMP guideline on safety and efficacy follow-up and risk management

Scope: presentation on the guideline.

Action: for discussion

The revised guideline was presented in detail. EMA will implement amendments to the text (e.g. expanding the guidance on registries and implement all the comments received). The updated guideline will be circulated to the drafting group members and in parallel to the CAT for comments. This will allow for a discussion of the comments at the February CAT.

CAT members were asked to review specifically the following sections:

- section 4: risk identification and safety specifications for ATMPs
- section 5.2.2. on additional risk minimisation measures (i.e. educational materials)
- section 7 on specific S&E objectives for long term follow-up for ATMPs.

The guideline will also be presented at CHMP and PRAC in February for discussion and their comments. Consultation of the Guideline Consistency Group (GCG) will take place after the comments are received from all Committees.

Adoption for release for external consultation by all concerned committees (CAT, CHMP and PRAC) is scheduled for May. EMA indicated that the Health Technology Assessment (HTA) bodies will be proactively consulted during the external consultation phase.

In parallel, EMA and the drafting group will work on an ATMP specific RMP template and guidance (aiming to reduce the administrative burden for ATMP developers).

7.2.2. Working Party with Patients' and Consumers' Organisations (PCWP) and Working Party with Healthcare Professionals' Organisations (HCPWP)

Scope: minutes of the PCWP/HCPWP joint meeting that took place on 20 September 2016

Action: for information

The information was noted.

7.2.3. Joint CHMP/CVMP Working Group on the Application of the 3Rs in Regulatory Testing of Medicinal Products (J3RsWG)

Scope: new structure of the joint CHMP/CVMP Working Group: mandate and work plan for 2017

Action: for information and identification of CAT contact person

Note:
-This new working group will continue much of the work of JEG 3Rs (Replacement, Reduction and Refinement) with a focus on finalising the draft guideline, reflection papers and 3Rs Best Practice document that were subject to public consultation in 2016.
-The end of public consultation for guidance/guidelines mentioned in the Work Plan is expected by the end of 2017. The J3RsWG may consult pertinent committees for theirs views on the comments received.

The information was noted. Claire Beuneu (Belgium) agreed to act as CAT contact person for this topic.

7.3. Cooperation within the EU regulatory network

7.3.1. Horizon 2020: European Union framework programme for research and innovation

Resources: Charles Kessler and Arn Hoeveler – European Commission, Directorate General for Research and Innovation (DG RTD)

Scope: projects in Horizon 2020 related to ATMPs

Action: for discussion

A discussion is scheduled with the colleagues from DG RTD.

Further to a short presentation by the DG RTD colleagues on the ongoing Horizon 2020 projects and planned call for regenerative medicines / ATMPs, CAT discussed what areas were considered important for future calls for research projects.

7.4. Cooperation with international regulators

7.4.1. ATMP Cluster teleconference with FDA, Health Canada and PMDA (Japan)

The teleconference will take place during the plenary meeting

CAT: Paula Salmikangas

Action: for adoption

During the ATMP cluster teleconference, topics related to classification issues and the US 21st Century Act were presented.

7.5. CAT work plan

7.5.1. CAT 2017 work plan

Scope: final work plan for 2017

Action: for adoption

The latest version of the CAT work plan for 2017 was presented. CAT topic leaders were identified. The work plan was subsequently adopted and will be published on the EMA website.

7.5.2. Questions and Answers document on minimally manipulated ATMPs

CAT drafting group: Egbert Flory, Mikuláš Hrubiško, Marit Hystad, Metoda Lipnik-Stangelj, Margarida Menezes Ferreira, Tiina Palomäki, Paula Salmikangas

Scope: draft Questions & Answers.

Action: for discussion

Note: the Questions-and-Answers document describes the application of the risk-based approach for minimally manipulated ATMP (e.g. CD34+ cells for cardiac repair). In the answers, a practical explanation will be provided how to use the risk based approach to identify and justify deviations from the standard requirements for cell-based ATMPs as included in Annex I Part IV of Directive 2001/83/EC.

Comments from the CAT members on the Question and Answer document are expected. An extensive discussion and, if possible, adoption of the document will take place at the February CAT meeting.

7.6. Planning and reporting

7.6.1. Action plan following ATMP multi-stakeholder workshop that took place on 27 May 2016

Action: for information

Note: EMA presented the summary of the report to the CAT at their December and July 2016 meetings.

EMA presented the latest version of the action plan for ATMPs. CAT provided feedback on the action points identified

7.7. Others

7.7.1. Update on treatment with un-proven and non-approved cell therapy products in Sweden: use of MSCs

CAT resource: Lennart Åkerblom, Björn Carlsson

The CAT colleagues provided feedback on the articles in the Swedish press regarding the use of non-approved MSCs in Sweden for various indications. The Swedish authorities are investigating these findings.

8. Any other business

No items

Date of next CAT meeting:
Wednesday 15 to Friday 17 February 2017

9. Explanatory notes

The Notes give a brief explanation of relevant agenda items and should be read in conjunction with the agenda.

Abbreviations / Acronyms

AR: Assessment Report

ATMP: Advanced Therapy Medicinal Product

BWP: Biologics Working Party

CAT: Committee for Advanced Therapies

CHMP: Committee for Medicinal Product for Human Use

COMP: Committee for Orphan Medicinal Products

CTFG: Clinical Trial Facilitation Group

DG: Drafting Group

EC: European Commission

ERA: Environmental Risk Assessment

FDA: Food and Drug Administration

FL: Final Letter

GCP: Good Clinical Practice

GLP: Good Laboratory Practice

GMO: Genetically-modified organism

GMP: Good Manufacturing Practice

HTA: Health Technology Assessment Bodies

HSPC: Hematopoietic Stem and Progenitor Cells

ITF: Innovative Task Force

JR: Joint Report

LoOI: List of outstanding issues

LoQ: List of questions

MA: Marketing Authorisation

MAA: Marketing Authorisation Applicant

MAH: Marketing Authorisation Holder

MNAT: Multinational Assessment Team

MSC: Mesenchymal stem cells

PDCO: Paediatric Committee

PMDA: Pharmaceuticals and Medical Devices Agency (Japan)

PIP: Paediatric Investigation Plan

PL: Package leaflet

PRAC: Pharmacovigilance and Risk Assessment Committee #

PRIME: Priority Medicines

RMP: Risk Management Plan

RP: Reflection paper

RSI: Request for supplementary information

SAs: Scientific Advices

SAG-O: Scientific Advisory Group Oncology

SAWP: Scientific Advice Working Party

SR: Summary Report

SWP: Scientific Working Party

SME: Small and medium size enterprises

SmPC: Summary of Products Characteristics

TT: Timetable

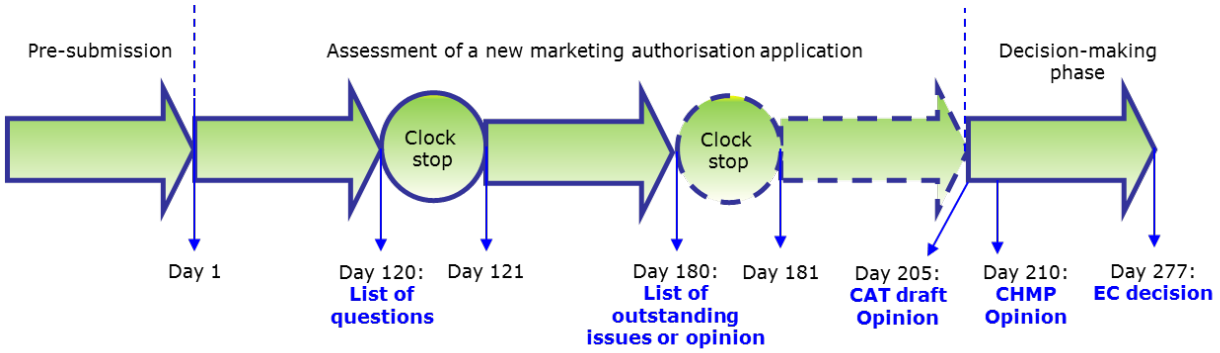
Evaluation of ATMPs (section 2)

This section lists applications for marketing authorisations of new Advanced Therapy Medicinal Products (ATMPs) that are to be discussed by the Committee. It also lists any ATMP related inspection requests (*section 2.9*) and Post-authorisation activities (*section 2.10*).

New applications (sections 2.1. to 2.12.)

Section 2.1 is for ATMPs nearing the end of the evaluation and for which the CAT is expected to adopt a draft **opinion** at this meeting on whether marketing authorisation should be granted. Once adopted, the CAT opinion is transmitted to the CHMP for final adoption. The CHMP opinion will be forwarded to the European Commission for a final legally binding decision valid throughout the EU. More information on the evaluation of ATMPs can be found here.

The other items in the section are listed depending on the stage of the evaluation, which is shown graphically below:



The assessment of an application for a new medicine takes up to 210 'active' days. This active evaluation time is interrupted by at least one 'clock-stop' during which time the applicant prepares the answers to questions from the CAT. The clock stop happens after day 120 and may also happen after day 180, when the CAT has adopted respectively a **Day 120 list of questions** (section 2.3) or a List of outstanding issues to be addressed by the company, which is listed in the agenda under sections 2.7 (**Ongoing evaluation procedures**). Section 2.7 also includes the CAT discussions at any other timepoint of the evaluation procedure of new applications.

Oral explanation (section 2.2.)

Prior to adoption of the CAT opinion, marketing authorisation applicants are normally invited to the CAT plenary meeting to address questions raised by the Committee.

Oral explanations normally relate to ongoing applications, but they can also relate to any other issue for which the CAT would like to discuss with company representatives in person.

Re-examination procedures (new applications) under article 9(2) of regulation no 726/2004 (section 2.6.)

This section lists applications for new marketing authorisation for ATMPs for which the applicant has requested a re-examination of the opinion previously issued by the CHMP. Similar to the initial evaluation of a marketing authorisation of an ATMP, CAT will adopt a draft re-examination opinion, which is transmitted to the CHMP for final adoption.

Withdrawal of applications (section 2.7.)

This section includes information on marketing authorisation applications that are withdrawn by the applicant. Applicants may decide to withdraw applications at any stage during the assessment and a CAT opinion will therefore not be issued. Withdrawals are included in the agenda for information or discussion, as necessary.

New applications (section 2.9.)

In this section, information is included on upcoming marketing authorisation applications for ATMPs, as well as information on appointment of Rapporteurs for new ATMP applications.

GMP and GCP Inspections Issues (section 2.10.)

This section lists inspections that are undertaken for ATMPs. Inspections are carried out by regulatory agencies to ensure that marketing authorisation holders comply with their obligations. Inspection can relate to good manufacturing practice (GMP), good clinical practice (GCP), good laboratory practice (GLP) or good pharmacovigilance practice (GVP).

Post-authorisation activities (section 2.12.)

This section lists type II variations, extension application according to Annex I of Reg. 1234/2008, re-examination procedures for type II variations (including extension of indication applications) for which the applicant has requested re-examination of the opinion previously issued by the CHMP and other issues concerning authorised medicines that are not covered elsewhere in the agenda such as annual reassessments, 5-year renewals, supply shortages, qualify defects. Issues that have been discussed at the previous meeting of the PRAC, the EMA's committee responsible for evaluating and monitoring safety issues for medicines, will also be included here.

Certification of ATMPs (section 3)

This section includes the scientific evaluation by the CAT of quality and non-clinical data that small and medium-sized enterprises have generated at any stage of the ATMP development process. More information on the ATMP certification procedure can be found here.

Scientific Recommendation on Classification of ATMPs (Section 4)

This section includes the scientific recommendation by the CAT on whether medicines based on genes, cells or tissues meet the scientific criteria that define ATMPs. More information on the ATMP classification procedure, including the outcomes of finalised classifications, can be found here.

Scientific Advice (section 5)

This section includes all scientific advice given to companies during the development of an ATMP. Information related to the number of ATMP related scientific advices discussed by CAT can be found in the CAT Monthly reports. Further information on SAWP can be found here.

Pre-Authorisation (section 6)

Paediatric Investigation Plan (PIP)

This section includes the discussion of an ATMP before a formal application for marketing authorisation is submitted. These cases refer for example to requests for an accelerated assessment for medicines that are of major interest for public health or can be considered a therapeutic innovation: in case of an accelerated assessment the assessment timetable is reduced from 210 to 150 days.

CAT contributes to the evaluation of a Paediatric Investigation Plan (PIPs) for ATMPs by the Paediatric Committee. These PIPs are included in this section of the Agenda.

ITF Briefing meeting in the field of ATMPs

This section refers to briefing meetings of the Innovation Task Force and International co-operations activities of the CAT

The Innovation Task Force (ITF) is a body set up to encourage early dialogue with applicants developing innovative medicines. Minutes of meetings with applicants developing ATMPs and of other ITF meetings of interest to the CAT are included in this section of the agenda. Further information on the ITF can be found here.

Organisational, regulatory and methodological matters (section 7)

This section includes topics related to regulatory and procedural guidance, CAT workplan, CAT meeting organisation (including CAT membership), planning and reporting, co-ordination with other committees, working parties and scientific advisory groups.

Furthermore, this section refers to the activities of the CAT drafting groups developing scientific guidelines for gene therapy medicinal products and for cell-based medicinal products, cooperation within the EU regulatory network and international regulators as well as direct interaction with interested parties. It also includes topics of scientific interest for the Committee that are not directly related to the work of the CAT drafting groups or CAT associated working parties.

Any other business (section 8)

This section is populated with miscellaneous topics not suitable under the previous headings.

More detailed information on the above terms can be found on the EMA website: www.ema.europa.eu/

10. List of participants

including any restrictions with respect to involvement of members / alternates / experts following evaluation of declared interests for the 18th – 20th January 2017 meeting.

Name	Role	Member state or affiliation	Outcome restriction following evaluation of e-DoI	Topics on agenda for which restrictions apply
Paula Salmikangas	Chair	Finland	No interests declared	
Ilona Reischl	Member	Austria	No interests declared	
Claire Beuneu	Member	Belgium	No interests declared	
Belaïd Sekkali	Alternate	Belgium	No interests declared	
Rozalina Kulaksazova	Member	Bulgaria	No interests declared	
Ivica Malnar	Alternate	Croatia	No interests declared	
Tomáš Boráň	Member	Czech Republic	No interests declared	
Ivana Haunerova	Alternate	Czech Republic	No interests declared	
Anne Pastoft	Alternate	Denmark	No interests declared	
Tarmo Tiido	Alternate	Estonia	No interests declared	
Tiina Palomäki	Member	Finland	No interests declared	
Olli Tenhunen	Alternate	Finland	No interests declared	
Violaine Closson	Member	France	No interests declared	
Martina Schüssler-Lenz	Member (Vice-Chair)	Germany	No interests declared	
Egbert Flory	Alternate	Germany	No interests declared	
Asterios Tsiftsoglou	Member	Greece	No interests declared	
Angeliki Roboti	Alternate	Greece	No interests declared	
Krisztian Fodor	Member	Hungary	No interests declared	
Maura O'Donovan	Member	Ireland	No interests declared	
Paolo Gasparini	Member	Italy	No interests declared	
Una Riekstina	Member	Latvia	No interests declared	
Romaldas Mačiulaitis	Member (CHMP member)	Lithuania	No restrictions applicable to this meeting	
Guy Berchem	Alternate (to CHMP representative)	Luxembourg	No restrictions applicable to this meeting	
Anthony Samuel	Alternate (to CHMP representative)	Malta	No interests declared	
Johannes Hendrikus	Member	Netherlands	No interests declared	

Name	Role	Member state or affiliation	Outcome restriction following evaluation of e-DoI	Topics on agenda for which restrictions apply
Ovelgönne				
Marit Hystad	Member	Norway	No interests declared	
Rune Kjeken	Alternate	Norway	No restrictions applicable to this meeting	
Dariusz Śladowski	Member	Poland	No restrictions applicable to this meeting	
Simona Badoi	Member	Romania	No interests declared	
Mikuláš Hrubiško	Member	Slovakia	No restrictions applicable to this meeting	
Metoda Lipnik-Stangelj	Member	Slovenia	No interests declared	
Sol Ruiz	Member (CHMP co-opted member)	Spain	No interests declared	
Marcos Timón	Alternate (to CHMP representative)	Spain	No interests declared	
Lennart Åkerblom	Member	Sweden	No interests declared	
Björn Carlsson	Alternate	Sweden	No interests declared	
Christiane Niederlaender	Member	United Kingdom	No interests declared	
James McBlane	Alternate	United Kingdom	No interests declared	
Marc Turner	Member	Healthcare Professionals' Representative	No restrictions applicable to this meeting	
Kieran Breen	Member	Patients' Representative	No restrictions applicable to this meeting	
Michelino Lipucci di Paola	Alternate	Patients' Representative	No restrictions applicable to this meeting	
Mariëtte Driessens	Member	Patients' Representative	No restrictions applicable to this meeting	
Erik Briers	Alternate	Patients' Representative	No interests declared	
Arnd Hoeveler	Expert - in person*	European Commission	No restrictions applicable to this meeting	
Charles Kessler	Expert - in person*	European	No restrictions	

Name	Role	Member state or affiliation	Outcome restriction following evaluation of e-DoI	Topics on agenda for which restrictions apply
		Commission	applicable to this meeting	
Christos Sotirelis	Expert - in person*	Healthcare Professionals' Representative	No restrictions applicable to this meeting	
Guido Pantè	Expert - in person*	Italy	No interests declared	
Therese Solstad Saunders	Expert - in person*	Norway	No interests declared	
Wiebeke Hoppensack	Expert - via telephone*	Germany	No interests declared	
Monique Wakelkamp	Expert - via telephone*	Sweden	No restrictions applicable to this meeting	
A representative from the European Commission attended the meeting				
Meeting run with support from relevant EMA staff				

* Experts were only evaluated against the agenda topics or activities they participated in.