14 April 2017
EMA/CAT/313544/2017
Inspections, Human Medicines Pharmacovigilance and Committees Division

Committee for Advanced Therapies (CAT)

Minutes for the meeting on 15-17 March 2017

Chair: Martina Schüßler-Lenz; Vice-Chair: Ilona Reischl

15 March 2017, 14:00 – 18:00, room 03-F

16 March 2017, 09:00 – 18:30, room 03-F

17 March 2017, 09:00 – 12:00, room 03-F

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).

30 Churchill Place ● Canary Wharf ● London E14 5EU ● United Kingdom
Telephone +44 (0)20 3660 6000 **Facsimile** +44 (0)20 3660 5555
Send a question via our website www.ema.europa.eu/contact

Table of contents

1. Introduction 5

1.1. Welcome and declarations of interest of members, alternates and experts 5

1.2. Adoption of agenda 5

1.3. Adoption of the minutes 5

2. Evaluation of ATMPs 5

2.1. Opinions 5

2.2. Oral explanations 5

2.3. Day 180 list of outstanding issues 5

2.4. Day 120 list of questions 6

2.5. Day 80 assessment reports 6

2.6. Update on ongoing initial applications 6

2.7. New applications 6

2.8. Withdrawal of initial marking authorisation application 6

2.9. Re-examination of initial application procedures under Article 9(2) of Regulation No. 726/2004 6

2.10. GMP and GCP inspections requests 6

2.11. Type II variations - variation of therapeutic indication procedure according to Commission Regulation (EC) No 1234/2008 6

2.12. Other Post-Authorisation Activities 6

2.12.1. Strimvelis - Autologous CD34+ enriched cell fraction that contains CD34+ cells transduced with retroviral vector that encodes for the human ADA cDNA sequence - Orphan - EMA/H/C/003854/REC/007 6

2.12.2. Strimvelis - Autologous CD34+ enriched cell fraction that contains CD34+ cells transduced with retroviral vector that encodes for the human ADA cDNA sequence - Orphan - EMA/H/C/003854/REC/008 7

3. Certification of ATMPs 7

3.1. Opinions 7

3.2. Day 60 Evaluation Reports 7

3.3. New applications 7

4. Scientific Recommendation on Classification of ATMPs 7

4.1. New requests – Appointment of CAT Coordinator 7

4.1.1. Human induced pluripotent stem cell derived natural killer cells expressing high-affinity non-cleavable CD16 Fc; EMA/H0004784 7

4.1.2. Autologous cultured Wharton jelly derived mesenchymal stem cells; EMA/H0004795 7

4.1.3. Allogeneic cultured Wharton jelly derived mesenchymal stem cells; EMA/H0004796 8

4.1.4. Autologous cultured adipose regenerative mesenchymal stem cells; EMA/H0004797 8

4.1.5. Autologous adipose derived mesenchymal stem cells; EMA/H0004798 8

4.1.6. Autologous cultured adipose derived mesenchymal stem cells - EMA/H0004799 8
4.2. Day 30 ATMP scientific recommendation 9
4.2.1. Banked allogenic leukocytes - leukocytes with cancer killing activity; EMA/H0004785 9
4.2.2. Implantable continuous glucose monitoring system; EMA/H0004762 9
4.2.3. Autologous bone marrow derived mesenchymal stems cells (MSC); EMA/H0004766 9
4.2.4. Allogeneic umbilical cord derived mesenchymal stems cells (MSC); EMA/H0004758 9
4.2.5. Stimulated resistant cells suspension cancer vaccine; EMA/H0004763 10
4.2.6. Recombinant adeno-associated virus serotype 8 (rAAV8) thyroxine-binding globulin (TBG) human uridine diphosphate glucuronosyltransferase 1A1 (hUGT1A1); EMA/H0004757 10
Oncolytic adenovirus; EMA/H0004767 10
4.3. Day 60 revised scientific recommendation (following list of questions) 10
4.4. Finalisation of procedure 10
4.4.1. Autologous tumour-infiltrating lymphocytes - H0004741/0001 10
4.5. Follow-up and guidance 11

5. Scientific Advice 11
5.1. New requests – appointment of CAT Coordinators 11
5.2. CAT reports 11
5.3. List of Issues 11
5.4. Finalisation of SA procedures 11

6. Pre-Authorisation Activities 11
6.1. Paediatric investigation plans 11
6.2. ITF briefing meetings in the field of ATMPs 11
6.3. Priority Medicines (PRIME) – Eligibility requests 12
6.3.1. Month 0 - Start of the procedure 12
6.3.2. Month 1 – Discussion of eligibility 12
6.3.3. Month 2 – Recommendation of eligibility 12
6.3.4. Month 3 – Nomination of Rapporteurs 12
6.3.5. Ongoing support 12

7. Organisational, regulatory and methodological matters 12
7.1. Mandate and organisation of the CAT 12
7.1.1. Election for Vice-Chairperson to CAT 12
7.1.2. CAT membership 12
7.1.3. Strategic Review & Learning meeting – Malta, June 2017 12
7.1.4. Strategic Review & Learning meeting – Estonia, November 2017 13
7.1.5. Combination packs requirements for ATMPs 13
7.2. Coordination with EMA Scientific Committees 13
7.2.1. Committee for Medicinal Products for Human Use (CHMP) 13

7.3. Coordination with EMA Working Parties/Working Groups/Drafting Groups 13
7.3.1. ATMP guideline on safety and efficacy follow-up and risk management 13
7.3.2. Training on the use of effects tables 14
7.4. Cooperation within the EU regulatory network 14
7.4.1. 87th Heads of Medicines Agencies (HMA) Meeting, 22-24 February 2017, Malta 14
7.5. Cooperation with international regulators 14
7.5.1. ATMP Cluster teleconference with FDA, Health Canada and PMDA 14
7.6. CAT work plan 14
7.6.1. CAT 2017 work plan 14
7.6.2. Questions and Answers document on minimally manipulated ATMPs 15
7.7. Planning and reporting 15
7.7.1. Planning estimates of forthcoming ATMP MAAs 15
7.8. Others 15
7.8.2. International Pharmaceutical Regulators Forum (IPRF) – Gene therapy discussion group .. 15
8. Any other business 16
9. Explanatory notes 17

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.

The CAT chair welcomed the new appointed members and alternates from Cyprus, Germany and Norway (see 7.1.2). She also thanked Martin Brunner (from Austria) for his contributions to the CAT: this will be his last CAT meeting he will be attending.

1.2. Adoption of agenda

The CAT agenda for 15-17 March 2017 meeting was adopted.

1.3. Adoption of the minutes

The CAT minutes for 15-17 February 2017 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

No items

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 marking 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

No items

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

No items

2.12. Other Post-Authorisation Activities

Annex C - Post-Authorisation Measures (PAMs): Line listing of Post authorisation measures with a description of the PAM and the review timetables. Procedures starting in February 2017

Annex D - Post-Authorisation Measures (PAMs): Details on PAMs including description and conclusion, adopted by CAT in February 2017

2.12.1. Strimvelis - Autologous CD34+ enriched cell fraction that contains CD34+ cells transduced with retroviral vector that encodes for the human ADA cDNA sequence - Orphan - EMA/H/C/003854/REC/007

GlaxoSmithKline Trading Services

Rapporteur: Christiane Niederlaender, CHMP Coordinator: Robert James Hemmings

Scope: Quality

Action: for adoption

The CAT adopted the conclusions of the procedure.

2.12.2. Strimvelis - Autologous CD34+ enriched cell fraction that contains CD34+ cells transduced with retroviral vector that encodes for the human ADA cDNA sequence - Orphan - EMA/H/C/003854/REC/008

GlaxoSmithKline Trading Services

Rapporteur: Christiane Niederlaender, CHMP Coordinator: Robert James Hemmings

Scope: Quality.

Action: for adoption

The CAT adopted the conclusions of the procedure.

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. Opinions

3.2. Day 60 Evaluation Reports

3.3. New applications

4. Scientific Recommendation on Classification 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.

4.1. New requests – Appointment of CAT Coordinator

4.1.1. Human induced pluripotent stem cell derived natural killer cells expressing high-affinity non-cleavable CD16 Fc; EMA/H0004784

Intended for the treatment of advanced solid tumour malignancies

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.

4.1.2. Autologous cultured Wharton jelly derived mesenchymal stem cells; EMA/H0004795

Intended for the treatment of amyotrophic lateral sclerosis or other central or peripheral nervous system repair

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.

4.1.3. Allogeneic cultured Wharton jelly derived mesenchymal stem cells; EMA/H0004796

Intended for the treatment of amyotrophic lateral sclerosis or other central or peripheral nervous system repair

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.

4.1.4. Autologous cultured adipose regenerative mesenchymal stem cells; EMA/H0004797

Intended for the treatment of autoimmune epilepsy and other central or peripheral nervous system repair

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.

4.1.5. Autologous adipose derived mesenchymal stem cells; EMA/H0004798

Intended for the treatment of autoimmune epilepsy and other central or peripheral nervous system repair

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.

4.1.6. Autologous cultured adipose derived mesenchymal stem cells; EMA/H0004799

Intended for the treatment of autoimmune epilepsy and other central or peripheral nervous system repair

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. Banked allogenic leukocytes - leukocytes with cancer killing activity; EMA/H0004785

Intended for the treatment of metastatic pancreatic ductal adeno carcinoma

Scope: scientific recommendation

Action: for adoption

Note: the CAT classified this procedure as non-ATMP in December 2016. Further to comments received on the original classification from the applicant in February 2017, CAT proposed that the applicant should resubmit the application with the new information included.

CAT discussed the ATMP classification report. CAT adopted by majority the ATMP classification report. The divergent views expressed by CAT members are attached to the classification report. CAT secretariat to send the draft scientific recommendation to the European Commission for comments by 3 April 2017.

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. Implantable continuous glucose monitoring system; EMA/H0004762

Intended for glucose monitoring in diabetes patients

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 by 3 April 2017.

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. Autologous bone marrow derived mesenchymal stems cells (MSC); EMA/H0004766

Intended for the treatment of coma (brain injury, stroke)

Scope: scientific recommendation

Action: for adoption

Note: A similar product (MSCs from umbilical cord, adipose tissue or bone marrow) from the same applicant for treatment of amyotrophic lateral sclerosis was classified by CAT as somatic cell therapy in November 2015 .

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 by 3 April 2017.

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. Allogeneic umbilical cord derived mesenchymal stems cells (MSC); EMA/H0004758

Intended for the intervertebral disc degeneration

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 by 3 April 2017.

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.

4.2.5. Stimulated resistant cells suspension cancer vaccine; EMA/H0004763

Intended for the treatment of colorectal cancer

Scope: scientific recommendation

Action: for adoption

CAT discussed the ATMP classification report. CAT decided to request some additional information from the applicant before concluding on this classification request.

4.2.6. Recombinant adeno-associated virus serotype 8 (rAAV8) thyroxine-binding globulin (TBG) human uridine diphosphate glucuronosyltransferase 1A1 (hUGT1A1); EMA/H0004757

Intended for the treatment of Crigler-Najjar (CN) syndrome

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 by 3 April 2017.

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.

4.2.7. **Oncolytic adenovirus; EMA/H0004767**

Intended for the treatment of pancreatic cancer

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 by 3 April 2017.

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 scientific recommendation (following list of questions)

No items

4.4. Finalisation of procedure

4.4.1. Autologous tumour-infiltrating lymphocytes - H0004741/0001

Treatment of patients with metastatic melanoma and disease progression subsequent to at least two systemic therapies.

Scope: No comments raised by the European Commission

Action: for information

The information was noted.

4.5. Follow-up and guidance

No items

5. 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 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

No items

6.2. ITF briefing meetings in the field of ATMPs

No items

6.3. 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. Election for Vice-Chairperson to CAT

Scope: election of Vice-Chair

Action: election of CAT Vice-Chair

Candidatures were received The election took place on 15 March 2017. EMA reminded the CAT members of the Rules of Procedure pertaining to the election of vice-chair.

The candidates addressed the CAT.

The election took place in the presence of 26 CAT members eligible to vote. Ilona Reischl was elected as CAT vice-chair for a period of 3 years.

7.1.2. CAT membership

Scope: membership changes

Cyprus: Marina Ieride - nomination as member on 02 March 2017
Cyprus: Anna Paphitou– termination of mandate for member on 1st March 2017

Cyprus: Maria Vasiliou - nomination as alternate on 02 March 2017
Cyprus: Ioannis Kkolos – termination of mandate for alternate on 1st March 2017

Germany: Jan Müller-Berghaus - nomination as member on 15 March 2017

Norway: Helga Haugom Olsen – nomination as member on 02 March 2017

Action: for information

The CAT chaired welcomed the new members. J Müller-Berghaus introduced himself.

7.1.3. Strategic Review & Learning meeting – Malta, June 2017

CAT Strategic Review & Learning meeting (SRLM) 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: John-Joseph Borg

Scope: draft programme

Action: for discussion

CAT discussed the SRLM programme and proposed amendments, most notably to introduce sufficient time for CAT to discuss scientific issues related to the revision of the Guideline for genetically modified cells and the development of the guideline on comparability of cell-based ATMPs and for reflections in preparation of an expert meeting on adeno-associated viral vectors (AAV) that will take place later in 2017.

7.1.4. Strategic Review & Learning meeting – Estonia, November 2017

CAT Strategic Review & Learning meeting will take place in Tallinn, Estonia on 15-17 November 2017 under the auspices of the Estonian Presidency of the Council of the European Union

CAT: Toivo Maimets

Scope: announcement of the forthcoming meeting

Action: for information

CAT noted the date for the SRLM in Estonia.

7.1.5. Combination packs requirements for ATMPs

CAT resources: Claire Beuneu, Ilona Reischl, Violaine Closson

Scope: draft eligibility criteria for combination packs, updated to reflect the specificities of ATMPs.

Action: for follow-up discussion

Further to comments received from CAT members, the revised criteria for combination packs containing ATMPs were presented. Small changes were proposed. With these amendments, the criteria were agreed.

7.2. Coordination with EMA Scientific Committees

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

Scope: Summary of Outcomes (SoO) for the February 2017 meeting

Action: for information

The CAT noted this information.

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

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

Scope: discussion of the comments received

Action: for discussion

Note: adoption is expected in June 2017 after consultation with the Guideline Consistency Group (GCG)

Further to comments received from PRAC, CAT and CHMP members, an updated guideline as discussed and agreed with the drafting group was presented to CAT. CAT agreed with the proposal that will now also be presented to CHMP and PRAC and thereafter to the Guideline Consistency Group (GCG).

7.3.2. Training on the use of effects tables

Scope: further training on the presence and use of the 'effects table' in CAT assessment reports

Action: for information

Note:
February 2015: the new template for assessment report was presented to the CAT
June 2015: training was provided to CAT on the structure of the benefit-risk part of the assessment report and on the general principles and use of the 'effects table'.

A refresher training on the use of effects tables was given to the CAT on the principles and use of the effects tables. The effects table is a useful tool as it allowes the assessors to spell out the positive and negative finding of the clinical assessment, focusing on the important aspects, and so facilitating an explicit decision making.

This was illustrated further using hypothetical tables from a MAA which had been evaluated by the CAT in the past.

7.4. Cooperation within the EU regulatory network

7.4.1. 87th Heads of Medicines Agencies (HMA) Meeting, 22-24 February 2017, Malta

CAT: Martina Schüßler-Lenz

Scope: presentation on the topic 'Innovation and competency'

Action: for information

A short feedback from the discussion at the HMA meeting was given.

7.5. Cooperation with international regulators

7.5.1. ATMP cluster teleconference with FDA, Health Canada and PMDA

The teleconference will take place during the plenary meeting

CAT: Martina Schüßler-Lenz

Action: for adoption

The ATMP cluster teleconference took place in the margins of the March 2017 CAT plenary meeting.

7.6. CAT work plan

7.6.1. CAT 2017 work plan

Scope: reflection on priorities for 2017, in the light of ongoing activities from the 2016 work plan

Action: for discussion

CAT discussed the priorities of the topics included in the CAT work plan for 2017 and changed some to the timelines to allow for the 2016 work plan topics to be completed first. CAT also include one new activity under the topic 'consideration on novel scientific and regulatory approaches for making ATMPs more readily available to patients', namely the organisation of an expert meeting on adeno-associated vector based GTMPs. See also 7.1.3.

The revised CAT work plan for 2017 will be adopted via a written procedure by 22 March and published on the EMA website.

7.6.2. Questions and Answers document on minimally manipulated ATMPs

Scope: draft Questions & Answers

Action: for discussion

Further to comments received from CAT members, the drafting group members reworked the question and answer document, clarifying the following:
- The scope of the document: this is a practical example of the methodology explained in the guideline on risk based approach (RBA) and in that respect the RBA tables are included in the document.
- The RBA is used and applied to show the flexibilities that can be applied for the product development and MAA of non-substantially manipulated ATMPs (the example product used in this document are CD34+ cells for cardiac repair)
- The questions and answers on the quality, non-clinical and clinical development make cross links to the attached RBA tables.
- The style of the answers has been changed to avoid confusion with style used in guideline.

CAT members are invited to review and provide final comments . The document will be scheduled for adoption at the April CAT meeting.

7.7. Planning and reporting

7.7.1. Planning estimates of forthcoming ATMP MAAs

Scope: Q1/2017 update of the business pipeline report for the human scientific committees

Action: for information

The information was noted.

7.8. Others

7.8.1. International Pharmaceutical Regulators Forum (IPRF) – Gene therapy discussion group

Scope: feedback from recent international teleconference calls of the IPRF Gene therapy group and organisation of an in-person IPRF meeting on 2-3 May 2017 at EMA. Topic of the in-person meeting: Biodistribution studies for gene therapy medicinal products.

Action: for appointment of CAT experts to join the IPRF in-person meeting

CAT was informed of the activities of the IPRF Gene Therapy discussion group and more specifically of the in-person meeting that will take place on 2-3 May 2017.
The following CAT experts were appointed to take part in the drafting of the IPRF Biodistribution reflection paper and the IPRF in-person meeting: Björn Carlsson and Tiina Palomäki.

8. Any other business

No items

Date of next CAT meeting:

Monday 10 to Wednesday 12 April 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

DNA: Deoxyribonucleic Acid

DG: Drafting Group

EC: European Commission

ERA: Environmental Risk Assessment

FDA: Food and Drug Administration

FL: Final Letter

GCG: Guideline Consistency Group

GCP: Good Clinical Practice

GLP: Good Laboratory Practice

GMO: Genetically-modified organism

GMP: Good Manufacturing Practice

GTMP: Gene Therapy Medicine Product

HMA: Heads of Human Agencies

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

RNA: Ribonucleic acid

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

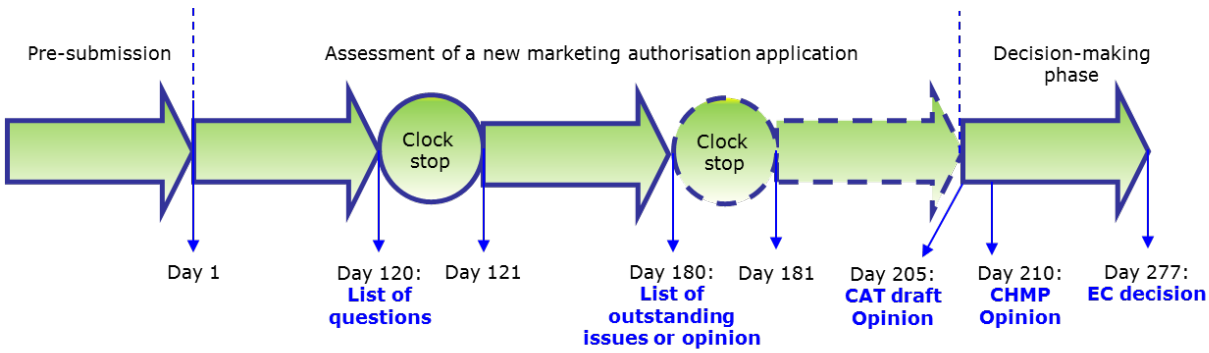
Evaluation of ATMPs (section 2)

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 15 - 17 March 2017 meeting.

Name	Role	Member state or affiliation	Outcome restriction following evaluation of e-DoI	Topics on agenda for which restrictions apply
Martina Schüssler-Lenz	Chair	Germany	No interests declared	
Ilona Reischl	Member	Austria	No interests declared	
Martin Brunner	Alternate	Austria	No restrictions applicable to this meeting	
Claire Beuneu	Member	Belgium	No interests declared	
Belaïd Sekkali	Alternate	Belgium	No interests declared	
Rozalina Kulaksazova	Member	Bulgaria	No interests declared	
Mirna Golemovic	Member	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	
Toivo Maimets	Member	Estonia	No interests declared	
Tarmo Tiido	Alternate	Estonia	No interests declared	
Paula Salmikangas	Member	Finland	No interests declared	
Olli Tenhunen	Alternate	Finland	No interests declared	
Violaine Closson	Member	France	No interests declared	
Jan Mueller-Berghaus	Alternate	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	
Balázs Sarkadi	Alternate	Hungary	No interests declared	
Maura O'Donovan	Member	Ireland	No interests declared	
Paolo Gasparini	Member	Italy	No interests declared	
Guy Berchem	Alternate (to CHMP representative)	Luxembourg	No restrictions applicable to this meeting	
John J. Borg	Member (CHMP member)	Malta	No interests declared	
Johannes Hendrikus Ovelgönne	Member	Netherlands	No interests declared	
Rune Kjeken	Alternate	Norway	No restrictions applicable to this meeting	
Dariusz Śladowski	Member	Poland	No restrictions	

Name	Role	Member state or affiliation	Outcome restriction following evaluation of e-DoI	Topics on agenda for which restrictions apply
			applicable to this meeting	
Margarida Menezes-Ferreira	Alternate (to CHMP representative)	Portugal	No interests declared	
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	
Marc Turner	Member	Healthcare Professionals' Representative	No restrictions applicable to this meeting	
Bernd Gänsbacher	Member	Healthcare Professionals' Representative	No interests declared	
Kieran Breen	Member	Patients' Representative	No restrictions applicable to this meeting	
Mariëtte Driessens	Member	Patients' Representative	No restrictions applicable to this meeting	
Carla Herberts	Expert - in person*	CBQ-MEB	No interests declared	
Guido Panté	Expert - in person*	Italy	No interests declared	
Christos Sotirelis	Expert - in person*	EURORDIS	No interests declared	
Daniel O'Connor	Expert - via telephone*	United Kingdom	No interests declared	
Nathalie Morgensztein	Expert - via telephone*	France	No interests declared	
Therese Solstad	Expert - via	Norway	No interests declared	

Name	Role	Member state or affiliation	Outcome restriction following evaluation of e-DoI	Topics on agenda for which restrictions apply
Saunders	telephone*			
Wiebke Hoppensack	Expert - via telephone*	Germany	No interests declared	
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.