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SCIENCE MEDICINES HEALTH

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Inspections, Human Medicines Pharmacovigilance and Committees Division

## Committee for Advanced Therapies (CAT)

Minutes of the meeting on 05-07 December 2018

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

### 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 05-07 December 2018 meeting was adopted with one addition to section 4.5

### **1.3. Adoption of the minutes**

CAT minutes for 07-09 November 2018 meeting was 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

No items

## 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

### 2.11.1. Imlygic - talimogene laherparepvec - EMEA/H/C/002771/II/0027

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Amgen Europe B.V.

Rapporteur: Olli Tenhunen, CHMP Coordinator: Tuomo Lapveteläinen

Scope: Opinion: Safety

Update of section 4.8 of the SmPC in order to add granulomatous dermatitis as new adverse drug reaction with an uncommon frequency and to update the adverse reaction dyspnoea from dyspnoea exertional to dyspnoea under common frequency.

**Action:** for adoption

The variation was adopted.

### 2.11.2. Imlygic - talimogene laherparepvec - EMEA/H/C/002771/II/0028

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Amgen Europe B.V.

Rapporteur: Olli Tenhunen; CHMP Coordinator: Tuomo Lapveteläinen; PRAC Rapporteur: Brigitte Keller-Stanislowski

Scope: RSI

Submission of an updated RMP version 4.0 in order to align the important identified and potential risks and missing information with the revised guideline Good Pharmacovigilance Practices Module V (Revision 2), resulting in the reclassification and removal of a number of identified and potential risks and missing information.

**Action:** for adoption

The RSI was adopted.

### 2.11.3. Kymriah - tisagenlecleucel - Orphan - EMEA/H/C/004090/II/0001

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Novartis Europharm Limited

Rapporteur: Rune Kjekken; CHMP Coordinator: Bjorg Bolstad

Scope: Opinion. Quality

**Action:** for adoption  
The variation was adopted.

## 2.12. GMP and GCP inspections requests

No items

## 2.13. Other Post-Authorisation Activities

### 2.13.1. Alofisel - darvadstrocel - Orphan - EMEA/H/C/004258/REC/004

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Takeda Pharma A/S

Rapporteur: Lisbeth Barkholt, CHMP Coordinator: Kristina Dunder

Scope: Quality

**Action:** for adoption

The post-authorisation measure was adopted.

### 2.13.2. Kymriah - tisagenlecleucel - Orphan - EMEA/H/C/004090/REC/001

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Novartis Europharm Limited

Rapporteur: Rune Kjekken; CHMP Coordinator: Bjorg Bolstad

Scope: Quality

**Action:** for information

Note: conclusion adopted by CHMP at its November 2018 meeting

The outcome of this post-authorisation measure was noted.

## 3. Certification of ATMPs

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

### 3.1. Opinion

No items

### 3.2. Day 60 Evaluation Reports

No items

### 3.3. New Applications

No items

## 4. Scientific Recommendation on Classification of ATMPs

## 4.1. New requests – Appointment of CAT Coordinator

### 4.1.1. Recombinant adeno-associated virus (serotype 5) containing the human retinal guanylate cyclase 1 (GUCY2D) gene – H0005261

---

Intended for the treatment of inherited retinal disease caused by biallelic mutations in GUCY2D, including Leber congenital amaurosis type 1 (GUCY2D-LCA)

Scope: appointment of CAT Coordinator and adoption of timetable

**Action:** for adoption

Nominations were received. The following CAT member was appointed as CAT coordinator.

### 4.1.2. Autologous cord blood nucleated cells – H0005260

---

Intended for the treatment of paediatric brain damage, hypoxic-ischemic encephalopathy, cerebral palsy

Scope: appointment of CAT Coordinator and adoption of timetable

**Action:** for adoption

Nominations were received. The following CAT member was appointed as CAT coordinator.

### 4.1.3. Recombinant adeno-associated virus (serotype 0) containing the human $\alpha$ -L-iduronidase (hIDUA) gene - H0005258

---

Intended for the treatment of mucopolysaccharidosis type I

Scope: appointment of CAT Coordinator and adoption of timetable

**Action:** for adoption

Nominations were received. The following CAT member was appointed as CAT coordinator.

### 4.1.4. Cultured autologous adipose-derived stem cells - H0005257

---

Intended for the treatment of urinary diversion in patients requiring radical cystectomy for the treatment of bladder cancer

Scope: appointment of CAT Coordinator and adoption of timetable

**Action:** for adoption

Nominations were received. The following CAT member was appointed as CAT coordinator.

### 4.1.5. Adeno-associated virus serotype rh10 (AAVrh10) containing a transgene that encodes a microRNA (miRNA) targeting superoxide dismutase 1 (SOD1) messenger RNA (mRNA) - H0005259

---

Intended for the treatment of amyotrophic lateral sclerosis (ALS) due to mutations in SOD1 gene

Scope: appointment of CAT Coordinator and adoption of timetable

**Action:** for adoption

Nominations were received. The following CAT member was appointed as CAT coordinator.



## 4.2. Day 30 ATMP scientific recommendation

### 4.2.1. Bacteriophage capsid containing deoxyribonucleic acid (DNA) encoding a ribonucleic acid (RNA)-guided nuclease and associated RNA guides, targeting shiga-toxin genes - H0005237

---

Intended for the treatment of Shiga-toxin producing *E. coli* (STEC) infection  
Scope: ATMP scientific recommendation

**Action:** for adoption

CAT discussed the ATMP classification report. CAT secretariat to send the draft scientific recommendation to the European Commission for comments by 20 December 2018.

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. Allogeneic expanded natural killer (NK) cells – H0005241

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Intended for the treatment of multiple myeloma

Scope: ATMP scientific recommendation

**Action:** for adoption

CAT discussed the ATMP classification report. CAT secretariat to send the draft scientific recommendation to the European Commission for comments by 20 December 2018.

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 modified CD34+ haematopoietic cells transduced with a lentiviral vector encoding for the CD18 $\beta$ -subunit of human $\beta$ 2 integrin - H0005238

---

Intended for the treatment of severe leukocyte adhesion deficiency type I (LAD-I)

Scope: ATMP scientific recommendation

**Action:** for adoption

CAT discussed the ATMP classification report. CAT secretariat to send the draft scientific recommendation to the European Commission for comments by 20 December 2018.

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 cultured postnatal thymus tissue-derived product - H0005239

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Intended for immune reconstitution in patients with congenital athymia

Scope: ATMP scientific recommendation

**Action:** for adoption

CAT discussed the ATMP classification report. CAT secretariat to send the draft scientific recommendation to the European Commission for comments by 20 December 2018.

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. Autologous dendritic cell, electroporated with messenger ribonucleic acid (mRNA) encoding tumour antigen Wilms tumor (WT)-1 – H0005240

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Intended for the treatment of lung cancer

Scope: request for supplementary information

**Action:** for adoption

CAT discussed the ATMP classification report. CAT secretariat to send the draft scientific recommendation to the European Commission for comments by 20 December 2018.

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)

#### 4.3.1. Whole lipoaspirate containing viable autologous adipose-derived regenerative cells - H0005212

---

Postponed to January 2019; Intended for the treatment of progressive hemifacial atrophy (Parry-Romberg syndrome)

Scope: assessment of the responses from the applicant. Revised ATMP scientific recommendation

**Action:** for information

#### 4.3.2. Viable autologous adipose-derived regenerative cells combined with whole lipoaspirate - H0005213

---

Postponed to January 2019; Intended for the treatment of progressive hemifacial atrophy (Parry-Romberg syndrome)

Scope: assessment of the responses from the applicant. Revised ATMP scientific recommendation

**Action:** for information

#### 4.3.3. Viable autologous adipose-derived regenerative cells combined with whole lipoaspirate - H0005214

---

Postponed to January 2019; Intended for the treatment of progressive hemifacial atrophy (Parry-Romberg syndrome)

Scope: assessment of the responses from the applicant. Revised ATMP scientific recommendation

**Action:** for information

#### 4.3.4. Whole lipoaspirate containing viable autologous adipose-derived regenerative cells - H0005215

---

Postponed to January 2019; Intended for the treatment of burn scars

Scope: assessment of the responses from the applicant. Revised ATMP scientific recommendation

**Action:** for information

#### 4.3.5. Viable autologous adipose-derived regenerative cells - H0005216

---

Postponed to January 2019; Intended for the treatment of burn scars

Scope: assessment of the responses from the applicant. Revised ATMP scientific recommendation

**Action:** for information

#### 4.3.6. [Viable autologous adipose-derived regenerative cells - H0005217](#)

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Postponed to January 2019; Intended for the treatment of burn scars

Scope: assessment of the responses from the applicant. Revised ATMP scientific recommendation

**Action:** for information

### 4.4. **Finalisation of procedure**

#### 4.4.1. [Allogeneic Wharton's jelly mesenchymal stem cells \(MSCs\) on dermal scaffold - H0005198](#)

---

Intended for the treatment of epidermolysis bullosaScope: the European Commission raised no comments. Final ATMP scientific recommendation

**Action:** for information

#### 4.4.2. [Genetically modified bone marrow derived allogeneic mesenchymal stem cells \(MSCs\) expressing human alpha-1 antitrypsin \(AAT\) - H0005206](#)

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Intended for the treatment of steroid refractory acute graft-versus-host-disease (GvHD), grades II-IV

Scope: the European Commission raised no comments. Final ATMP scientific recommendation

**Action:** for information

#### 4.4.3. [Suspension of human olfactory ensheathing cells \(OECs\) and olfactory nerve fibroblasts \(ONFs\) – H0005197](#)

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Indicated for the treatment of complete and incomplete spinal cord injuries in human patients, aiming to support neuroregeneration

Scope: the European Commission raised no comments. Final ATMP scientific recommendation

**Action:** for information

#### 4.4.4. [Human donor haematopoietic stem cells treated \*ex vivo\* - H0005195](#)

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Intended for the treatment of severe combined immunodeficiency

Scope: the European Commission raised no comments. Final ATMP scientific recommendation

**Action:** for information

#### 4.4.5. [Recombinant adeno-associated virus serotype 1 \(AAV1\) containing a transgene that encodes a microRNA \(miRNA\) targeting huntingtin - H0005196](#)

---

Intended for the treatment of Huntington's disease

Scope: the European Commission raised no comments. Final ATMP scientific recommendation

**Action:** for information

### 4.5. **Follow-up and guidance**

## 5. Scientific Advice

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 Rapporteurs

### 5.2. CAT reports

### 5.3. List of Issues

### 5.4. Finalisation of SA procedures

### 5.5. Follow-up on SA procedures

## 6. Pre-Authorisation Activities

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

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No items

#### 6.3.2. Month 1 – Discussion of eligibility

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No items

#### 6.3.3. Month 2 – Recommendation of eligibility

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## 7. Organisational, regulatory and methodological matters

### 7.1. Mandate and organisation of the CAT

No items

### 7.2. Coordination with EMA Scientific Committees

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

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Scope: Summary of Outcomes (SoO) for the November 2018 meeting

**Action:** for information

The information was noted.

## 7.2.2. Scientific Coordination Board (SciCoBo) – meeting of 22 November 2018

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CAT: Martina Schübler-Lenz

Scope: feedback on the outcome of the SciCoBo meeting that took place on 22 November 2018

**Action:** for information

The CAT chair provided feedback from the discussions in SciCoBo. She reminded CAT members that the next Scientific Review and Learning meeting will take place on 13 – 14 June 2019 in Bucharest (Romania).

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

### 7.3.1. Guideline on requirements for investigational ATMPs

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Drafting group: Iлона Reischl (Rapporteur), Tiina Palomäki (Rapporteur), Martina Schübler-Lenz, Simona Badoi, Tomáš Boráň, Violaine Closson-Carella, Paolo Gasparini, Carla Herberts, Metoda Lipnik-Stangelj, Margarida Menezes Ferreira, Christiane Niederlaender, Maura O'Donovan, Olli Tenhunen, Heli Suila, Barbara Bonamassa, Giuseppa Pistritto, Marcel Hoefnagel

Scope: updated guideline following feedback from the Guideline Consistency Group (GCG)

**Action:** for adoption

CAT was informed that the BWP had adopted the quality part of the guideline. The final guideline, taking into account the comments received from Bernd Gänsbacher and the European Commission representative and initial comments from the Guideline Consistency Group (GCG) was presented. There was a short exchange on the terminology 'proof of concept' versus 'proof of principle' in the non-clinical part, and a rewording of the last paragraph of the section 6.4 (related to long-term safety and efficacy follow-up) was introduced. Reference to the GCP guideline will be included in section 8. CAT noted that the formal agreement from GCG was still awaited.

With these amendments, CAT adopted the guideline. In case that major changes have to be implemented to the guideline text further to discussions with GCG, the guideline will be re-adopted via a written procedure.

As a next step, the guideline will be presented to the CHMP in January 2019 (ORGAM meeting) for adoption for release for external consultation until end of July 2019.

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

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Scope:

-Meeting summary PCWP plenary meeting 25 September 2018

-Meeting summary PCWP/HCPWP joint meeting 25 September 2018

**Action:** for information

The information was noted.

### 7.3.1. CAT contribution to the Scientific Advice Working Party (SAWP)

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CAT: Martina Schübler-Lenz

Scope: feedback from the November 2018 discussion

**Action:** for discussion

The summary of the discussions at the November 2018 CAT meeting was presented. Additional aspects were highlighted.

## 7.4. Cooperation within the EU regulatory network

### 7.4.1. Evaluation of the EU legislation on blood, tissues and cells

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Scope: Questionnaire to the Member States on the interface between the blood, tissue / cell and pharmaceutical legislation

**Action:** for information

## 7.5. Cooperation with international regulators

### 7.4.1. International pharmaceutical regulators programme (IPRP) – cell therapy group

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Scope: feedback from the international teleconference call of 13 November 2018; proposal from PMDA to develop a reflection paper .

**Action:** for discussion

The proposal to develop a reflection paper was presented. CAT discussed the possibility to contribute the drafting of the IPRP reflection paper.

## 7.6. CAT work plan

### 7.4.1. Genome editing technologies for drug development – regulatory considerations

---

Scope: feedback from the drafting group discussion of 27.11.2018.

**Action:** for discussion

The proposal from the drafting group was presented. CAT agreed with the position put forward. This will now be presented to the CHMP and BWP. Thereafter, the CAT reflection paper on ATMP classification will be revised to include the regulatory consideration on medicinal products composed of, or production using, genome editing components.

CAT members were asked if further changes should be introduced when the above mentioned reflection paper is revised.

## 7.7. Planning and reporting

### 7.4.1. Planning estimates of forthcoming ATMP MAAs

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Scope: Q4/2018 update of the business pipeline report for the human scientific committees

**Action:** for information

The information was noted.

## 7.8. Others

### 7.4.1. Request from the European Commission for EMA's opinion on the definitions of pharmacological, immunological, metabolic and medical diagnosis

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Scope: definitions of pharmacological, immunological, metabolic and medical diagnosis

**Action:** for appointment of sponsors

Note: this topic was first introduced to CAT in July 2018

EMA presented the request from the European Commission and the timeline for providing feedback.

The timetable was adopted and CAT sponsors were appointed to contribute to the discussion on the 4 definitions.

#### 7.4.1. Relocation of EMA to The Netherlands

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**Action:** for information

The information was noted.

#### 7.4.1. Discussion paper 'Use of patient disease registries for regulatory purposes - methodological and operational considerations'

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Scope: the discussion paper has been published on the EMA website. Comments and suggestions by 30 June 2019

<https://www.ema.europa.eu/en/human-regulatory/post-authorisation/patient-registries>

**Action:** for information

Note: comments and suggestions are welcome [before 30 June 2019](#) by sending the Form for submission of comments

[https://www.ema.europa.eu/documents/other/form-submission-comments\\_en.doc](https://www.ema.europa.eu/documents/other/form-submission-comments_en.doc) or an annotated version of the document (mentioning on the first page your name, affiliation and contact details) to: [EMAREgistries@ema.europa.eu](mailto:EMAREgistries@ema.europa.eu).

An update was provided by EMA, followed by a short discussion on the use of registries for regulatory purposes.

#### 7.4.1. Marketing authorisation applications of ATMPs according to Article 10a of Directive 2001/83/EC

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Scope: Proposal : feedback and next steps

**Action:** for information

The European Commission representative introduced this topic. This topic was presented to CAT for awareness / information.

#### 7.4.1. Tumourigenicity assays for cell therapy products

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CAT: Carla Herberts

Scope: feedback from the Health and Environmental Sciences Institute Cell Therapy-TRacking, Circulation & Safety (ILSI-HESI CT-TRACS) Committee: activity of Forum for Innovative Regenerative Medicine-Committee for Non-Clinical Safety Evaluation of Pluripotent Stem Cell-derived Product (FIRM-CoNCEPT) on the design and validation of in vitro and in vivo tumourigenicity assays for cell therapy and work. CAT input is sought on the design of *in vitro* tumourigenicity assays

**Action:** for discussion

Further to the presentation by Carla Herberts, CAT questioned to role of the regulatory authorities in the exercise to design and validate tumourigenicity assays. It would be good if CAT was kept informed of the discussions. See also agenda point 7.5.1.

#### 7.4.1. 24<sup>th</sup> Pharmaceutical Inspection Co-operation Scheme (PIC/S) expert circle meeting on human blood, tissues, cells and ATMPs: 'How to conduct inspections of human blood, tissues, cells and ATMPs'

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CAT: Dariusz Śladowski

Scope: feedback from the meeting that took place on 22-26 October 2018, Warsaw, Poland

**Action:** for information

The feedback was noted.

## **8. Any other business**

No items

Date of next CAT meeting:

23-25/01/2019



## 9. Explanatory notes

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

### Abbreviations / Acronyms

AAV: Adeno-Associated Virus

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

GCG: Guideline Consistency Group

GCP: Good Clinical Practice

GLP: Good Laboratory Practice

GMO: Genetically-modified organism

GMP: Good Manufacturing Practice

GTMP: Gene Therapy Medicinal Product

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 Application

MAH: Marketing Authorisation Holder

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

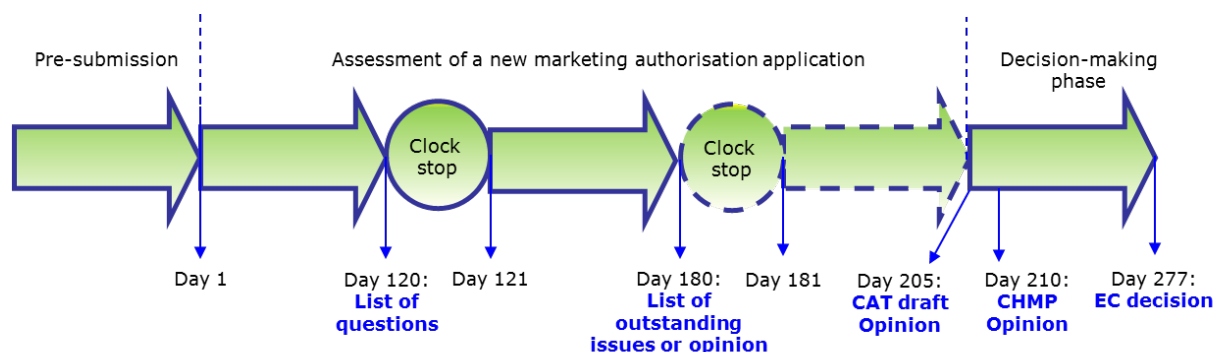
## Evaluation of ATMPs (section 2)

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](#).

#### *Priority Medicines (PRIME)*

This section includes the new requests for eligibility to PRIME for ATMPs under development, the discussions in CAT of these eligibility requests and the final recommendations for eligibility of ATMPs adopted by CHMP.

CAT will appoint one of its members as the CAT sponsor for each new ATMP eligibility request who will lead the CAT discussion based on the recommendation from the SAWP.

#### **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/](http://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 5-7 December 2018 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	N/A
Ilona Reischl	Member	Austria	No interests declared	N/A
Claire Beuneu	Member	Belgium	No interests declared	N/A
Belaïd Sekkali	Alternate	Belgium	No interests declared	N/A
Rozalina Kulaksazova	Member	Bulgaria	No interests declared	N/A
Mirna Golemovic	Member	Croatia	No interests declared	N/A
Tomáš Boráň	Alternate	Czech Republic	No interests declared	N/A
Anne Pastoft	Member	Denmark	No interests declared	N/A
Toivo Maimets	Member	Estonia	No interests declared	N/A
Heli Suila	Member	Finland	No interests declared	N/A
Olli Tenhunen	Alternate	Finland	No interests declared	N/A
Violaine Closson	Member	France	No interests declared	N/A
Jan Mueller-Berghaus	Member	Germany	No interests declared	N/A
Egbert Flory	Alternate	Germany	No interests declared	N/A
Asterios Tsiftoglou	Member	Greece	No interests declared	N/A
Katalin Lengyel	Member	Hungary	No interests declared	N/A
Maura O'Donovan	Member	Ireland	No interests declared	N/A
Paolo Gasparini	Member	Italy	No interests declared	N/A
Giulio Pompilio	Alternate	Italy	No restrictions applicable to this meeting	N/A
Una Riekstina	Member	Latvia	No interests declared	N/A
Vitalis Briedis	Alternate	Lithuania	No interests declared	N/A
Anthony Samuel	Alternate (to CHMP representative)	Malta	No interests declared	N/A
Johannes Hendrikus Ovelgönne	Member	Netherlands	No interests declared	N/A
Carla Herberts	Alternate	Netherlands	No interests declared	N/A
Rune Kjekken	Alternate	Norway	No restrictions applicable to this meeting	N/A
Dariusz Śladowski	Member	Poland	No restrictions applicable to this meeting	N/A
Margarida Menezes-Ferreira	Alternate (to CHMP representative)	Portugal	No interests declared	N/A
Gianina-Nicole	Alternate	Romania	No interests declared	N/A

Name	Role	Member state or affiliation	Outcome restriction following evaluation of e-Dol	Topics on agenda for which restrictions apply
ta Andrei				
Lukas Slovak	Member	Slovakia	No interests declared	N/A
Metoda Lipnik-Stangelj	Member	Slovenia	No interests declared	N/A
Sol Ruiz	Member (CHMP co-opted member)	Spain	No interests declared	N/A
Marcos Timón	Alternate, to CHMP representative	Spain	No interests declared	N/A
Lisbeth Barkholt	Member	Sweden	No interests declared	N/A
Christiane Niederlaender	Member	United Kingdom	No interests declared	N/A
James McBlane	Alternate	United Kingdom	No interests declared	N/A
Bernd Gänsbacher	Member	Healthcare Professionals' Representative	No interests declared	N/A
Willem Fibbe	Alternate	Healthcare Professionals' Representative	No restrictions applicable to this meeting	N/A
Kieran Breen	Member	Patients' Representative	No restrictions applicable to this meeting	N/A
Michelino Lipucci di Paola	Alternate	Patients' Representative	No restrictions applicable to this meeting	N/A
Maria Driessens	Member	Patients' Representative	No restrictions applicable to this meeting	N/A
Erik Briers	Alternate	Patients' Representative	No restrictions applicable to this meeting	N/A
Christos Sotirelis	Expert – In person*	Patients' Representative	No interests declared	N/A
Barbara Bonamassa	Expert – Via telephone*	Italy	No interests declared	N/A
Giuseppa Pistrutto	Expert – Via telephone*	Italy	No interests declared	N/A
Tiina Palomäki	Expert – Via telephone*	Finland	No interests declared	N/A
Kristina Bech Jensen	Expert – Via telephone*	Denmark	No interests declared	N/A
Trine Jensen	Expert – Via telephone*	Denmark	No interests declared	N/A
Bill Vestergaard	Expert – Via telephone*	Denmark	No interests declared	N/A
Marie Louise Schougaard Christiansen	Expert – Via telephone*	Denmark	No interests declared	N/A
Aldana Rosso	Expert – Via telephone*	Denmark	No interests declared	N/A
Nathalie Morgensztejn	Expert – Via telephone*	France	No interests declared	N/A
Angelika	Expert – Via	United Kingdom	No interests declared	N/A

Name	Role	Member state or affiliation	Outcome restriction following evaluation of e-DoI	Topics on agenda for which restrictions apply
Siapkara	telephone*			
Anja van Biezen	Expert – Via telephone*	EBMT	No interests declared	N/A
Marianne Mol	Expert – Via telephone*	EBMT	No interests declared	N/A
Carmen Ruiz	Expert – Via telephone*	EBMT	No interests declared	N/A
Debra Gordon	Expert – Via telephone*	EBMT	No interests declared	N/A
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.