

06 October 2021 EMA/570766/2021 Human Medicines Division

Committee for Advanced Therapies (CAT)

Draft agenda for the meeting on 06-08 October 2021

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

06 October 2021, 14:00 - 18:00, room 01-D

07 October 2021, 09:00 - 18:00, room 01-D

08 October 2021, 09:00 - 13:00, room 01-D

Virtual meeting room: WEBEX - https://ema-europa.webex.com/

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 this agenda 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, this agenda is a working document primarily designed for CAT members and the work the Committee undertakes.

Note on access to documents

Some documents mentioned in the agenda 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 ongoing 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

Pre-meeting list of participants and restrictions in relation to declarations of interests applicable to the items of the agenda for the CAT plenary session to be held 06-08 October 2021. See 06-08 October 2021 CAT minutes (to be published post 03-05 November 2021 CAT meeting).

1.2. Adoption of agenda

CAT agenda for 06-08 October 2021 meeting

1.3. Adoption of the minutes

CAT minutes for 08-11 September 2021 meeting

2. Evaluation of ATMPs

2.1. Opinions

No items

2.2. Oral explanations

2.2.1. Lisocabtagene maraleucel / lisocabtagene maraleucel - Orphan - EMEA/H/C/004731

Bristol-Myers Squibb Pharma EEIG; treatment of large B-cell lymphoma, diffuse large B-cell lymphoma (DLBCL), primary mediastinal large B-cell lymphoma (PMBCL) and follicular lymphoma grade 3B (FL3B)

Scope: list of outstanding questions

Action: for adoption

List of Questions (LoQ) adopted on 06.11.2020. List of Outstanding Issues (LoOI) adopted on 16.04.2021

2.3. Day 180 list of outstanding issues

No items

2.4. Day 120 list of questions

2.5. Day 80 assessment reports

2.5.1. Valoctocogene roxaparvovec - Orphan - EMEA/H/C/005830

Accelerated assessment

BioMarin International Limited; treatment of severe haemophilia A

Scope: Day 80 assessment report

Action: for information

2.6. Update on ongoing initial applications

No items

2.7. New applications

No items

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

No items

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

2.11.1. Imlygic - talimogene laherparepvec - EMEA/H/C/002771/II/0046

Amgen Europe B.V.
Rapporteur: Heli Suila,
Scope: Clinical. Opinion

Submission of the final report from study 20110265 listed as an obligation in the Annex II of the Product Information. This is a Phase 1b/3, multicenter, trial of talimogene laherparepvec in combination with pembrolizumab for treatment of unresectable stage IIIB to IVM1c melanoma. The Annex II is updated accordingly.

Action: for adoption

2.11.2. Kymriah - tisagenlecleucel - Orphan - EMEA/H/C/004090/II/0040

Novartis Europharm Limited Rapporteur: Rune Kjeken Scope: Quality. Opinion

Action: for adoption

2.11.3. Libmeldy - atidarsagene autotemcel - Orphan - EMEA/H/C/005321/II/0004

Orchard Therapeutics (Netherlands) BV

Rapporteur: Carla Herberts

Scope: Quality. Request for supplementary information

Action: for adoption

2.11.4. Tecartus - autologous peripheral blood T cells CD4 and CD8 selected and CD3 and CD28 activated transduced with retroviral vector expressing anti-CD19 CD28/CD3-zeta chimeric antigen receptor and cultured - Orphan - EMEA/H/C/005102/II/0012

Kite Pharma EU B.V.

Rapporteur: Jan Mueller-Berghaus

Scope: Quality. Request for supplementary information

Action: for adoption

2.11.5. Zolgensma - onasemnogene abeparvovec - Orphan - EMEA/H/C/004750/II/0015

Novartis Gene Therapies EU Limited

Rapporteur: Carla Herberts Scope: Clinical. Opinion

Updates to Sections 4.4, 4.8 and 5.1 of the SmPC to reflect the final study results Study AVXS-101-CL-302; a Post-authorisation efficacy study intended to confirm the efficacy and safety and tolerability of a single dose of Zolgensma in patients younger than 6 months of age with SMA Type 1 with One or Two SMN2 Copies.

The package leaflet has been updated accordingly and annex II has been updated to reflect completion of this Specific Obligation.

Action: for adoption

Request for Supplementary Information adopted on 16.07.2021.

2.11.6. Zolgensma - onasemnogene abeparvovec - Orphan - EMEA/H/C/004750/II/0017/G

Novartis Gene Therapies EU Limited

Rapporteur: Carla Herberts Scope: Quality. Opinion **Action:** for adoption

2.12. Extension applications

2.13. Other Post-Authorisation Activities

2.13.1. Holoclar - ex vivo expanded autologous human corneal epithelial cells containing stem cells - Orphan - EMEA/H/C/002450/R/0039

Holostem Terapie Avanzate s.r.l.

Rapporteur: Egbert Flory, PRAC Rapporteur: Rhea Fitzgerald Scope: 1-year Renewal of Marketing Authorisation. Opinion

Action: for adoption

2.13.2. Kymriah - tisagenlecleucel - Orphan - EMEA/H/C/004090/P46/012

Novartis Europharm Limited

Rapporteur: Rune Kjeken, CHMP Coordinator: Ingrid Wang

Scope: Paediatric studies submitted in accordance with Article 46 of Regulation (EC) No1901/2006, as amended. FINAL STUDY REPORT, Study no. CTL019B2001X, EudraCT no. 2016-001991-31: Phase IIIb study for relapsed/refractory pediatric/young adult acute lymphoblastic leukemia patients to be treated with CTL019.

Action: for adoption

Request for Supplementary Information adopted on 18.06.2021.

2.13.3. Kymriah - tisagenlecleucel - Orphan - EMEA/H/C/004090/REC/013

Novartis Europharm Limited

Rapporteur: Rune Kjeken, CHMP Coordinator: Ingrid Wang

Scope: quality

Action: for adoption

2.13.4. Kymriah - tisagenlecleucel - Orphan - EMEA/H/C/004090/REC/014

Novartis Europharm Limited

Rapporteur: Rune Kjeken, CHMP Coordinator: Ingrid Wang

Scope: quality

Action: for adoption

2.13.5. Tecartus - autologous peripheral blood T cells CD4 and CD8 selected and CD3 and CD28 activated transduced with retroviral vector expressing anti-CD19 CD28/CD3-zeta chimeric antigen receptor and cultured - Orphan - EMEA/H/C/005102/ANX/002.1

Kite Pharma EU B.V.

Rapporteur: Jan Mueller-Berghaus, CHMP Coordinator: Jan Mueller-Berghaus

Scope: Follow-up from ANX-002:

Additional information requested following assessment of the protocol for study KTE-EU-472-6036 entitled: "Long-term, non-interventional study of recipients of Tecartus for treatment of adult patients with relapsed or refractory mantle cell lymphoma (MCL)".

Action: for adoption

2.13.6. Impact of tocilizumab potential shortages on CAR-T cell-based ATMPs use in EU – regulatory options and recommendations

Rapporteur: Rune Kjeken, Jan Mueller-Berghaus

Scope: Scientific and regulatory considerations regarding the treatment of cytokine release

syndrome following CAR-T cell administration.

Action: for discussion

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

Timetable:

-Start of the procedure: 08.10.2021
-EMA Coordinator's draft report: 11.10.2021
-CAT Coordinator's comments: 22.10.2021
-Revised scientific recommendation: 29.10.2021
-CAT's discussion of scientific recommendation: 05.11.2021

4.1. New requests – Appointment of CAT Coordinator

4.1.1. CD 19 CAR T-cells transduced with lentiviral vector

Intended for the treatment of adults and children with B-cell non-Hodgkin's lymphoma and acute lymphoblastic leukemia. CD 19 CAR-T cell therapy will be used as first salvage in patients with primary refractory disease or in first relapse, after one line of systemic therapy, and with the presence of least one pre-defined high-risk feature

Scope: appointment of CAT Coordinator and adoption of timetable

Action: for adoption

4.1.2. Allogeneic adipose-derived mesenchymal stromal cells, ex-vivo expanded

Intended for the treatment of osteoarthritis, knee

Scope: appointment of CAT Coordinator and adoption of timetable

Action: for adoption

4.1.3. Recombinant adeno-associated virus, serotype 2, containing human ND4 codon-optimised gene (rAAV2-ND4) - EMA/PRIME/21/039

Intended for the treatment of Leber's hereditary optic neuropathy (LHON) associated with ND4 G11778A mutation

Scope: appointment of CAT Coordinator and adoption of timetable

Action: for adoption

4.1.4. Allogeneic T-cell precursors, mobilised peripheral blood-derived, ex vivo cultured

Intended for the treatment of paediatric and adult patients undergoing partially human leucocyte antigen (HLA) compatible allogeneic haematopoietic stem cell transplantation to accelerate adaptive immunological reconstitution

Scope: appointment of CAT Coordinator and adoption of timetable

Action: for adoption

4.2. Day 30 ATMP scientific recommendation

4.2.1. Autologous red blood cells chemically coupled with 12 antigenic peptides

Intended for the treatment of multiple sclerosis

Scope: ATMP scientific recommendation

Action: for adoption

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

No items

4.4. Finalisation of procedure

4.4.1. Point-of-care skin cell isolation kit

Intended for skin regeneration after burns, skin trauma, invasive surgery

Scope: The European Commission raised no comments. ATMP Scientific Recommendation

Action: for information

4.4.2. Optimised DNA encoding the sequence of interest COL7A1

Intended for the treatment of dystrophic epidermolysis bullosa (DEB)

Scope: The European Commission raised no comments. ATMP Scientific Recommendation

Action: for information

4.4.3. Adipose derived Mesenchymal Stem/Stromal Cells

Intended for the treatment of amyotropthic lateral sclerosis

Scope: The European Commission raised no comments. ATMP Scientific Recommendation

Action: for information

4.4.4. Recombinant adeno-associated virus serotype HSC 15 (rAAVHSC15) expressing human iduronate-2-sulfatase (hIDS)

Intended for the treatment of mucopolysaccharidosis type II (known as Hunter syndrome)

Scope: The European Commission raised no comments. ATMP Scientific Recommendation

Action: for information

4.4.5. Extracellular matrix and non-viable osteogenic cells derived from human adiposederived stem cells, associated with hydroxyapatite/beta-tricalcium phosphate (HA/ β TCP) particles

Intended to stimulate bone regeneration in pathological hypoxic and/or necrotic bone conditions

Scope: Comments raised by the European Commission. Revised ATMP Scientific

Recommendation

Action: for discussion

4.4.6. Isolated CD31+ cells

Intended for the treatment of erectile dysfunction

Scope: Comments raised by the European Commission. Revised ATMP Scientific

Recommendation

Action: for discussion

4.5. Follow-up and guidance

No items

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

5.1.1. Ongoing scientific advice procedures - Appointment of CAT Peer Reviewers

Timetable:

Start of procedure at SAWP: 27-30.09.2021
Appointment of CAT Peer Reviewers: 06-08.10.2021
SAWP first reports: 18.10.2021
CAT Peer Reviewer comments: 22.10.2021
Discussion at SAWP: 25-28.10.2021

- Discussion at CAT and feedback to SAWP: 05.11.2021

5.1.2. Scientific advice procedures starting at the next SAWP meeting

Timetable:

Start of procedure at SAWP:
Appointment of CAT Peer Reviewers:
SAWP first reports:
CAT Peer Reviewer comments:
Discussion at SAWP:
Discussion at CAT and feedback to SAWP:
25-28.10.2021
03-05.11.2021
22.11.2021
26.11.2021
29.11-02.12.2021
10.12.2021

5.2. Procedures discussed at SAWP – 1st report and D40 JRs, LoOIs

5.3. Finalisation of D70 procedures – feedback from the discussion meeting

5.4. Final Advice Letters for procedures finalised the previous month

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

No items

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

Timetable for assessment:

Procedure start: 27-30.09.2021
SAWP recommendation: 28.10.2021
CAT recommendation: 05.11.2021
CHMP adoption of report and final recommendation: 11.11.2021

6.3.2. Month 1 – Discussion of eligibility

6.3.3. Month 2 – Recommendation of eligibility

6.3.4. Ongoing support

No items

6.4. Feedback from COMP

Scope: Feedback from the judgment of the General Court of 23 September 2020 in Medac Gesellschaft für klinische Spezialpräparate v Commission, T-549/19 (Trecondi)

Action: for information

7. Organisational, regulatory and methodological matters

7.1. Mandate and organisation of the CAT

7.1.1. CAT membership

Action: for information

7.1.2. Vote by proxy

No items

7.1.3. Joint CAT-CHMP Strategic Review & Learning (virtual) meeting (SRLM) under the Slovenian presidency, 20-21 October 2021, Ljubljana (Slovenia)

CAT: Metoda Lipnik-Štangelj, Martina Schuessler-Lenz

Scope: final agenda and meeting programme

Action: for information

7.1.4. Call from the European Commission for expression of interest for CAT members representing patients and healthcare professional organisations

Scope: EC published a new call for CAT for expression of interest for CAT members representing patients and healthcare professional organisations.

Action: for information

Note: see: Calls for expression of interest | Public Health (europa.eu)

7.2. Coordination with EMA Scientific Committees

No items

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

7.4. Cooperation with the EU regulatory network

7.4.1. Revision of the EU legislation on blood, tissues and cells (BTC)

CAT: Martina Schüssler-Lenz

Scope: Invitation of the EMA executive director

Action: for discussion

7.4.2. Revision of pharmaceutical legislation

CAT: Martina Schuessler-Lenz

Scope: CAT involvement in the development of concept papers

Action: for information

Note: The aim is to establish multi-disciplinary drafting groups for each topic by early October and organise a few TCs in the next months to discuss initial proposals (details will be communicated by the EMA topic coordinators after the groups are constituted). Drafting groups will liaise and provide updates to their WP/Committees during the drafting phase as appropriate.

7.5. Cooperation with international regulators

7.5.1. ATMP cluster teleconference with US-FDA, Health Canada and PMDA (Japan)

CAT: Martina Schuessler-Lenz

Scope: Agenda of the teleconference that will take place on 14 October 2021

Action: for information

7.5.2. International Pharmaceutical Regulators Programme (IPRP) – Gene therapy and cell therapy working group

CAT: Pille Säälik

Scope: Feedback from the international teleconference that took place on 5 October 2021

Action: for information

7.6. CAT work plan

7.6.1. Real World Data (RWD) in regulatory decision making of ATMPs

CAT: Martina Schuessler-Lenz

Scope: Feedback from the third meeting

Action: for information

7.6.2. CAT workplan 2021

CAT: Martina Schuessler-Lenz

Scope: Status update and confirmation of drafting group members for the work plan topic:

Guideline on requirements for ATMPs in clinical trials.

Action: for discussion

7.7. Planning and reporting

No items

7.8. Others

7.8.1. CAT stakeholder meeting on 26 October 2021

CAT: Martina Schuessler-Lenz

Scope: Stakeholders' proposals for agenda topic; finalisation of the agenda

Action: for discussion

8. Any other business

No items

Date of next CAT meeting:

03-05/11/2021

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

EU NTC: European Union Network Training Centre

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
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

QRD: Quality review of documents

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: Safety Working Party

SME: Small and medium size enterprises SmPC: Summary of Products Characteristics

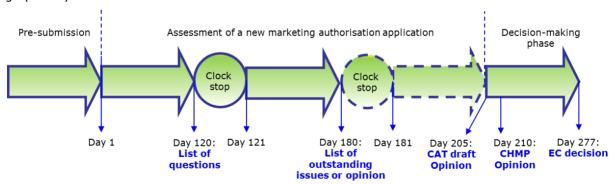
TT: Timetable

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.)

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 <a href="https://example.com/here-the-new-the-ne

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/