



WP 10

Development and spreading of Europe wide common protocols standardizing operational procedures to facilitate access to Hadron Therapy facilities and inter-comparison of results

Piero Fossati

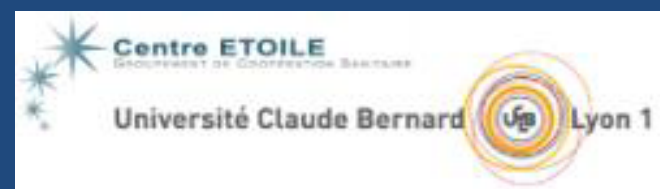
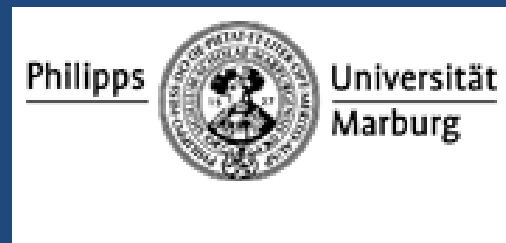
Stockholm 4 September 2010



WP 10 members



ebg *Med*Austron



Two different tasks

- **WP10.1**
 - Collation and comparison of protocols for future Europe-wide use
- **WP10.2**
 - Training of the practical applications of protocols for researchers working in hadron-therapy facilities (existing or under construction) and for external researchers in order to facilitate correct application for access
- **Starting yesterday**



WP 10.1

- 1 Creation of a common web space to share documents
- 2 Collections of protocols already existing in written form at the operative facility
- 3 Assessment of the type of procedure (not already described in a written document) which is apt to be formalized

WP 10.1

- 1 Creation of a common web space to share documents

D[NA 10.1]-Website-portal for documents exchange and online discussion Dissemination level: [P2]



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Grant agreement no.: 220436

ULICE
Union of Light Centres in Europe

Project type: Combination of CP & CSA
Integrating Activities: e-Infrastructures / Preparatory phase
Start date of project: 1st September 2009 Duration: 48 months

D[NA 10.1] Website-portal for documents exchange and online discussion

WP n° and title:	WP 10 - Development and spreading of Europe wide common protocols standardizing operational procedures to facilitate access to bio therapy facility and supervision of results
WP leader:	Franco Tassani
Authority:	Franco Tassani
Contributors:	Audrey Ballantine
Pillar coordinator:	Marjol Deserj
Expanding period:	1

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First deliverable

Thanks to the fundamental contribution of Audrey Ballantine a web space for information exchange is available for WP10

ULICE Union of Light Ion Centres in Europe

Welcome fossati@cnao.it

This List: Shared Documents

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ULICE WP10 Development and spreading of Europe wide common protocols
standardizing operational procedures to facilitate access to hadrontherapy
facilities and intercomparison of results

ULICE Home Page | Home Workspace | WP 1 | JRA | WP2 | WP3 | WP4 | WP5 | WP6 | WP7 | NA | WP8 | WP9 | **WP10** | TNA | WP11 | WP12 | WP13

ULICE Union of Light Ion Centres in Europe > ULICE WP10 Development and spreading of Europe wide common protocols standardizing operational procedures to facilitate access to hadrontherapy facilities and intercomparison of results > Shared Documents > 1.Collected documents

Shared Documents

Share a document with the team by adding it to this document library.

New Upload Actions View: All Documents

Type	Name	Modified	Modified By
1.1 QA	09/02/2010 09:34 AM	Audrey Ballantine	
1.2 Immobilization and position verification	09/02/2010 09:34 AM	Audrey Ballantine	
1.3 Informed consent	09/02/2010 09:34 AM	Audrey Ballantine	
1.4 Physical commissioning	09/02/2010 09:34 AM	Audrey Ballantine	
1.5 Radiobiological commissioning	09/02/2010 09:34 AM	Audrey Ballantine	
1.6 Contouring and image fusion	09/02/2010 09:35 AM	Audrey Ballantine	
1.7 Clinical protocols	09/02/2010 09:35 AM	Audrey Ballantine	
1.8 Other	09/02/2010 09:35 AM	Audrey Ballantine	

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- ULICE WP10 leaders
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Documents

- Shared Documents

Lists

- Calendar
- Tasks

Discussions

- Team Discussion

Sites

People and Groups

Meetings

Recycle Bin

There is a
good frame

And the picture
is starting to
take shape

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ULICE Union of Light Ion Centres in Europe > ULICE WP10 Development and spreading of Europe wide common protocols standardizing operational procedures to facilitate access to hadrontherapy facilities and intercomparison of results > Shared Documents > 1.Collected documents > 1.7 Clinical protocols

Shared Documents

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New Upload Actions View: All Documents

Type	Name	Modified	Modified By
FINAL_PROTON_GUIDELINES_june_2007	09/02/2010 02:22 PM	fossati@cnao.it	
good_clinical_practices	09/02/2010 02:37 PM	fossati@cnao.it	
IMRT_NCI_Guidelines_v4.0	09/02/2010 02:35 PM	fossati@cnao.it	
IMRT-RTOG	09/02/2010 02:36 PM	fossati@cnao.it	
nc_din_intl_guidelines	09/02/2010 02:24 PM	fossati@cnao.it	
stdlang	09/02/2010 02:40 PM	fossati@cnao.it	

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WP 10.1

- 3 Assessment of the type of procedure (not already described in a written document) which is apt to be formalized
- Participants of WP 10 have agreed on a list of documents to be produced:

1. QA procedures and their schedules
2. Patient immobilization
3. Patient Position Verification (PPV)
4. Informed consent form
5. Procedures for physical commissioning of an ion beam
6. Procedures for radiobiological commissioning of an ion beam
7. Guidelines for imaging, image fusion and contouring

How are we creating these documents ?

1. Gathering similar, already existing, documents and uploading them in the website (all the WP members)
2. Writing a draft (single institution)
3. Reviewing the draft to produce a definitive document (all the WP members)

What purpose will they serve ?

Protocols should be intended as minimum standard requirements and may become the basis for accreditation of future facilities to participate in multicentric European clinical trials of carbon ion radiotherapy

The first 4 documents are under production

1. QA procedures and their schedules (CNAO)
2. Patient immobilization (UCBL/ETOILE)
3. Patient Position Verification (PPV)
4. Informed consent form (CNAO)
5. Procedures for physical commissioning of an ion beam
6. Procedures for radiobiological commissioning of an ion beam
7. Guidelines for imaging, image fusion and contouring (CNAO adenoid cystic carcinoma, UKL-HD recurrent rectal cancer, UNIMAR skull base chordoma and chondrosarcoma)

Patient immobilization (UCBL/ETOILE)

Name of the institution:

 Country:

ULICE-WP10 Stabilization and immobilization devices in particle therapy: the survey

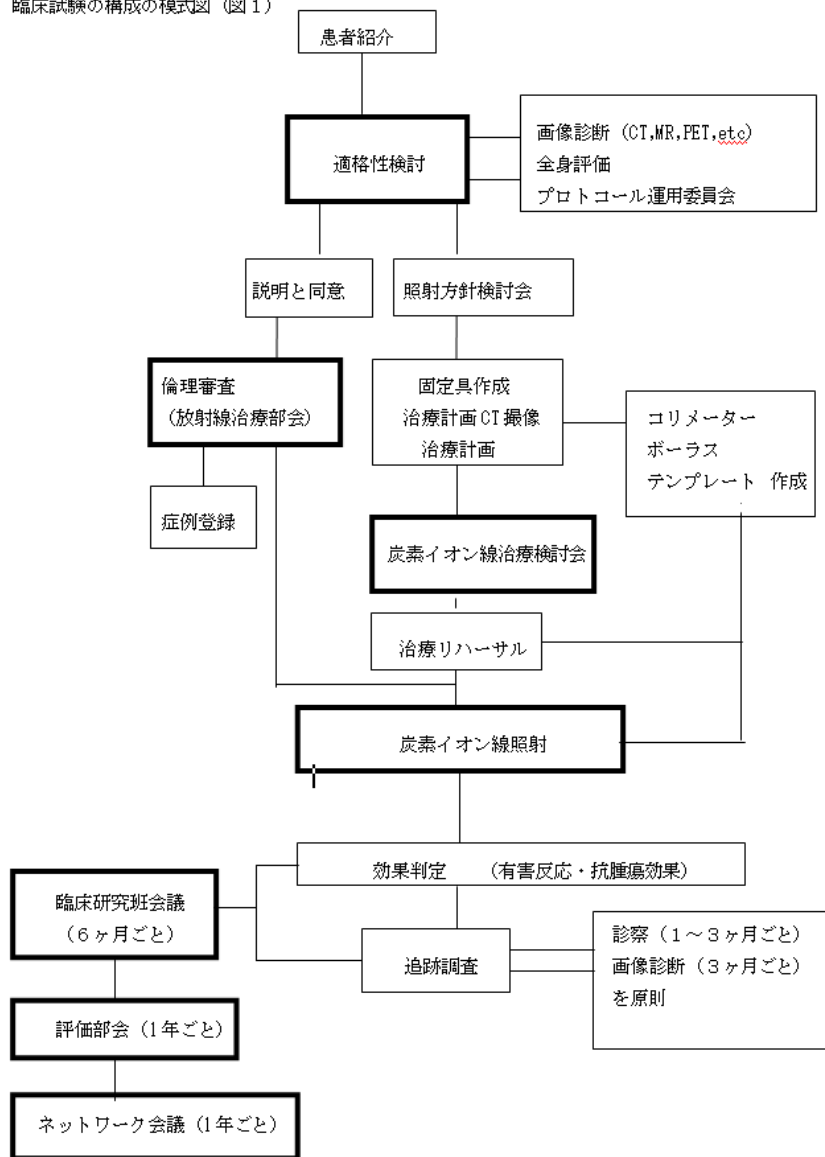
1.What kind of immobilization devices (ID) do (will/would) you use?
☐ homemade
☐ manufactured: which company/brand? _____
 1.Are (will/would they be) they?
☐ standardized
☐ customized
If you answered « customized »,
 1.Who is in charge of the preparation of the ID?
☐ the radiation oncologist
☐ the physicist
☐ a dedicated immobilization specialist
☐ a radiation therapist / technologist ?
☐ a radiation dosimetrist
 1.How long does it take to manufacture any ID for any adult patient?

 1.When does it take place in the treatment process?
☐ prior to the planning CT
☐ at the same time as the planning CT

WP 10.1

- 2 Collections of protocols already existing in written form at the operative facility
- UKL-HD, UNIMAR, CNAO are members of ULICE
- Each of these institutions has agreed to share its own clinical protocols
- Relevant expertise exists in Japan: NIRS has granted permission to share its clinical protocols for internal use within ULICE.

臨床試験の構成の模式図（図1）



ACTION LIST

	Until September 2010	Sep 2010 – Dec 2010
CNAO	<ul style="list-style-type: none"> • Upload own clinical protocols • Upload NIRS clinical protocols • Upload own QA protocols • Write down and upload internal immobilization procedures • Write down and upload NIRS immobilization procedures • Upload own informed consent form • Upload NIRS informed consent form • Perform literature search on imaging for RT contouring and follow up in ACC 	<ul style="list-style-type: none"> • Write draft of protocol 1 on QA • Write draft of protocol 4 on informed consent form • Write template structure of protocol 7 and discuss it with UKL-HD and MEDA • Write draft of protocol 7 on imaging for contouring and follow up on ACC • Discuss with WP 2 the general structure of clinical trial document
UKL-HD	<ul style="list-style-type: none"> • Upload own clinical protocols • Upload own QA protocols • Upload own informed consent form • Perform literature search on imaging for RT contouring and follow up in recurrent rectal cancer 	<ul style="list-style-type: none"> • Write draft of protocol 7 (recurrent rectal cancer) • Discuss with UNIMAR work distribution between WP10 and WP 5 on patient immobilization
MEDA	<ul style="list-style-type: none"> • Perform literature search on imaging for RT contouring and follow up in skull base 	<ul style="list-style-type: none"> • Write draft of protocol 7 (skull base)
UCBL/ETOILE		<ul style="list-style-type: none"> • Write draft of protocol 2 (Patient immobilization)
UNIMAR	<ul style="list-style-type: none"> • Upload own clinical protocols • Upload own QA protocols • Upload own informed consent form 	<ul style="list-style-type: none"> • Discuss with UCBL/ETOILE work distribution between WP10 and WP 5 on patient immobilization
ARC	<ul style="list-style-type: none"> • Provide existing internal documents on QA 	

Thank you for your attention

