1st International Working Group on Thalassemia: IS IT TIME TO REVISIT CLASSIFICATION OF THALASSEMIA SYNDROMES?

CAMPUS OF HEMATOLOGY
"Franco e Piera Cutino"
A.O.R. "Villa Sofia - V. Cervello"
Palermo (Italy)

September 15-16, 2017

Chairmen:
Antonis Kattamis, Ali Taher, Khaled Musallam and Aurelio Maggio
**Rationale**

Recent data suggest that the survival of well-treated patients with Thalassemia Major is now similar to that of Intermediate Thalassemia Intermedia (Vitrano et al., 2016, BJH). In addition, retrospective data on 4,943 subjects with a heterozygote state of β-thalassemia, suggest that, even in patients defined as Thalassemia carriers (Thalassemia Minor), there is an increase in morbidity (cirrhosis, kidney disease, etc.) compared with the non-thalassemic population of subjects not heterozygote (Graffeo et al., 2017, AJH). These data call for a potential revision of the clinical classification of thalassemia based on strict categories of severity towards a classification including a “continuum” of the same disease divided into that manifests in stages. The advantages of this new classification would consist of:

1) expand the use of chelation therapy and transfusion to the ‘traditionally’ less severe forms of Thalassemia Syndromes or whose management was not commonly considered;

2) reduce the morbidity and mortality of such less severe forms of Thalassemia Syndromes;

3) reduce health care costs associated with the treatment of these uncontrolled complications (cirrhosis, etc.) through prevention;

4) expand the number of patients who are eligible to innovative therapies;

5) review the indications for prenatal diagnosis in Thalassemia Major.

The aim of this first International Working Group on Thalassemia is to discuss recommendations for initial evaluation and staging assessment of Thalassemia Syndromes.
### Faculty:

<table>
<thead>
<tr>
<th>Name</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kunle Adekile</td>
<td>Kuwait</td>
</tr>
<tr>
<td>Yesim Aydinok</td>
<td>Turkey</td>
</tr>
<tr>
<td>Caterina Borgna Pignatti</td>
<td>Italy</td>
</tr>
<tr>
<td>Marie Charlotte Bouesseau</td>
<td>Switzerland</td>
</tr>
<tr>
<td>Maria Domenica Cappellini</td>
<td>Italy</td>
</tr>
<tr>
<td>Marina Cavazzana</td>
<td>France</td>
</tr>
<tr>
<td>Adriana Ceci</td>
<td>Italy</td>
</tr>
<tr>
<td>Lakhmir S. Chawla</td>
<td>USA (sp. La Jolla)</td>
</tr>
<tr>
<td>Alan Cohen</td>
<td>USA</td>
</tr>
<tr>
<td>Shahina Daar</td>
<td>Oman</td>
</tr>
<tr>
<td>Vito Di Marco</td>
<td>Italy</td>
</tr>
<tr>
<td>Amal El-Beshlawy</td>
<td>Egypt</td>
</tr>
<tr>
<td>Aldo Filosa</td>
<td>Italy</td>
</tr>
<tr>
<td>Gian Luca Forni</td>
<td>Italy</td>
</tr>
<tr>
<td>Suthat Fucharoen</td>
<td>Thailand</td>
</tr>
<tr>
<td>Mahmoud Hajipour</td>
<td>Iran</td>
</tr>
<tr>
<td>Olivier Hermine</td>
<td>France</td>
</tr>
<tr>
<td>Ibrahim Hishamshah</td>
<td>Malaysia</td>
</tr>
<tr>
<td>Mehran Karimi</td>
<td>Iran</td>
</tr>
<tr>
<td>Antonis Kattamis</td>
<td>Greece</td>
</tr>
<tr>
<td>Aurelio Maggio</td>
<td>Italy</td>
</tr>
<tr>
<td>Paolo Moi</td>
<td>Italy</td>
</tr>
<tr>
<td>Khaled Musallam</td>
<td>Uk UAE</td>
</tr>
<tr>
<td>Dudley Pennell</td>
<td>UK</td>
</tr>
<tr>
<td>Alessia Pepe</td>
<td>Italy</td>
</tr>
<tr>
<td>Antonio Piga</td>
<td>Italy</td>
</tr>
<tr>
<td>John Porter</td>
<td>UK</td>
</tr>
<tr>
<td>Paolo Ricchi</td>
<td>Italy</td>
</tr>
<tr>
<td>Vijay G. Sankaran</td>
<td>USA</td>
</tr>
<tr>
<td>Farrukh Shah</td>
<td>KSA</td>
</tr>
<tr>
<td>Alok Srivastava</td>
<td>India</td>
</tr>
<tr>
<td>Ali Taher</td>
<td>Lebanon</td>
</tr>
<tr>
<td>Paul Telfer</td>
<td>UK</td>
</tr>
<tr>
<td>Vip Viprakasit</td>
<td>Thailand</td>
</tr>
<tr>
<td>Mahmoud Yassin</td>
<td>Qatar</td>
</tr>
</tbody>
</table>
08.00 | 08.30 Registrations

08.30 | 08.45 Welcome address
Antonis Kattamis (Greece), Aurelio Maggio (Italy), Khaled Musallam (UK UAE), Ali Taher (Lebanon)

08.45 | 09.00 Greetings from local Authorities

09.00 | 09.15 Introduction: Is it time to revisit classification of Thalassemia Syndromes?
Aurelio Maggio (Italy)

SESSION I

THALASSEMIA MAJOR AND ANTIVIRAL TREATMENT
Chairpersons: Antonis Kattamis (Greece), Antonio Piga (Italy)

09.15 | 09.30 Transfusion Therapy: what it has been changing with respect to safety and control of iron loading?
Yesim Aydinok (Turkey)

09.30 | 09.45 The future of thalassemia patients without HCV infection: a new history
Vito Di Marco (Italy)

09.45 | 10.30 Preordered Interventions: which is the state of art in transfusion safety and anti-viral treatment of Thalassemia Syndromes worldwide?
Comparing experiences from France, India, Iran, Italy, Saudi Arabia: Caterina Borgna Pignatti (Italy), Olivier Hermine (France), Mehran Karimi (Iran), Farrukh Shah (KSA), Alok Srivastava (India)

10.30 | 10.45 Discussion

10.45 | 11.00 Coffee Break
Day 1: Friday, September 15, 2017

SESSION II

THALASSEMIA INTERMEDIA
Chairpersons: Caterina Borgna Pignatti (Italy), Vip Viprakasit (Thailand)

11.00 | 11.20
Morbidity and current management of Thalassemia Intermedia
Maria Domenica Cappellini (Italy)

11.20 | 11.40
Thalassemia Intermedia: is disease morbidity as we know it today less severe than Thalassemia Major?
Khaled Mussalam (UK UAE)

11.40 | 12.30
Preordered Interventions: which is the state of art in Thalassemia Intermedia management worldwide?
Comparing experiences from Iran, Italy, Malaysia, Qatar:
Mahmoud Hajipour (Iran), Ibrahim Hishamshah (Malaysia), Paolo Ricchi (Italy), Mahamoud Yassin (Qatar)

12.30 | 13.00
Discussion

13.00 | 14.00
Light Lunch

SESSION III

THE NEW ERA OF CHELATION TREATMENT
Chairpersons: Adriana Ceci (Italy), Alan Cohen (USA)

14.00 | 14.20
How the era of the new chelators is changing prognosis of Thalassemia Syndromes
John Porter (UK)

14.20 | 14.40
Iron overload and Chelation Therapy in Thalassemia Intermedia
Ali Taher (Lebanon)

14.40 | 15.30
Preordered Interventions: which is the state of art in chelation management of Thalassemia Syndromes worldwide?
Comparing experiences from Italy, Kuwait, Oman, US: Kunle Adekile (Kuwait), Shahina Daar (Oman), Aldo Filosa (Italy), Vijay G. Sankaran (US)

15.30 | 15.45
Discussion
SESSION IV

HIGHLIGHTS IN MANAGEMENT OF THALASSEMA SYNDROMES IN EASTERN COUNTRIES

Chairpersons: Marie-Charlotte Bouesseau (Switzerland), Suthat Fucharoen (Thailand)

15.45 | 16.05 Management of Thalassemia Syndromes in Egypt: what it has been changing during the last 10 years? Amal El-Beshlawy (Egypt)

16.05 | 16.25 Current management of Thalassemia Syndromes in Thailand: past, present and future Vip Viprakasit (Thailand)

16.25 | 16.45 Discussion

SESSION V

MR AND CURRENT MANAGEMENT OF THALASSEMA SYNDROMES

Chairpersons: Gian Luca Forni (Italy), Paul Telfer (UK)

16.45 | 17.05 The impact of MRI in changing prognosis of Thalassemia Major Dudley Pennell (UK)

17.05 | 17.25 The MIOT network: an Italian model for management of Thalassemia Syndromes Alessia Pepe (Italy)

17.25 | 18.15 Preordered Interventions: which is the state of art in MRI facilities worldwide? Comparing experiences from Egypt, France, India, Saudi Arabia, Thailand and US: Amal El-Beshlawy (Egypt), Olivier Hermine (France), Alok Srivastava (India), Farrukh Shah (KSA), Vip Viprakasit (Thailand), Vijay G. Sankaran (US)

18:15 | 18:30 Discussion
NEW STRATEGY FOR THE TREATMENT OF THALASSEMIA SYNDROMES

Chairpersons: Paolo Moi (Italy), Ali Taher (Lebanon)

18.30 | 18.50 Highlights on gene therapy in haemoglobinopathies
Marina Cavazzana (France)

18:50 | 19.10 New pharmacological approvals for increasing hemoglobin levels in Thalassemia Syndromes
Antonio Piga (Italy)

19.10 | 19.30 Conclusions
Aurelio Maggio (Italy)

19.30 | 19.45 Hepcidin and iron overload (NO CME)
Sponsored talk by La Jolla Pharmaceutical
Lakhmir S. Chawla (US)

Day 2: Saturday, September 16, 2017 (4h15 training sessions)

SESSION VII

(Simultaneous sessions)
Panel discussion on RECOMMENDATIONS FOR INITIAL EVALUATION AND STAGING ASSESSMENT OF THALASSEMIA SYNDROMES

08.30 | 10.30 PANEL I
Chairpersons: Alan Cohen (US), Antonis Kattamis (Greece)
Discussants: Marie-Charlotte Bouesseau;
Marina Cavazzana, Gianluca Forni, Suthat Fucharoen,
Olivier Hermine, Mehran Karimi, Antonio Piga,
John Porter, Paolo Ricchi, Vijay G. Sankaran,
Farrukh Shah, Alok Srivatsava, Ali Taher, Paul Telfer,
Vip Viprakasit
PLENARY

10.30 | 10.45 Coffee Break

PANEL II

Chairpersons: Amal El-Beshlawy (Egypt), Khaled Musalam (UK UAE)

Discussants: Kunle Adekile, Yesim Aydinok, Caterina Borgna Pignatti, Maria Domenica Cappellini, Adriana Ceci, Shahina Daar, Vito Di Marco, Aldo Filosa, Mahmoud Hajipour, Ibrahim Hishamshah, Aurelio Maggio, Dudley Pennell, Alessia Pepe, Mahmoud Yassin

10.30 | 10.45 Coffee Break

PLENARY

Chairpersons: Ali Taher (Lebanon), Paul Telfer (UK)

10.45 | 11.15 Presentation of Panel I - Recommendations for initial evaluation and staging assessment of Thalassemia Syndromes Alan Cohen (US), Antonis Kattamis (Greece)

11.15 | 11.45 Presentation of Panel II - Recommendations for initial evaluation and staging assessment of Thalassemia Syndromes

Amal El-Beshlawy (Egypt),
Khaled Mussalam (UK UAE)

11.45 | 12.30 Discussion

12.30 | 13.00 Final proposal and future strategy

Aurelio Maggio (Italy)

13.00 | 13.15 CME questionnaire

13.15 | 13.30 Closing remarks

Aurelio Maggio (Italy)
Published on

International Journal of Molecular Sciences

as Special Issue
"Thalassemia in 2017"

The results of this meeting will be published as Special Issue on Anemia Journal!
General Information

MEETING VENUE
CAMPUS OF HEMATOLOGY "Franco e Piera Cutino"
A.O.R. "Villa Sofia - V. Cervello" - Palermo (Italy)

C.M.E. CONTINUING MEDICAL EDUCATION
Collage S.p.A. (Provider n. 309) has included the Meeting in the Educational Plan 2017. C.M.E ref. :309-XXXXX.

The Congress will be suited for Physicians (Hematologists, Transfusiologists, Pediatricians, Radiologists, Biotecnologists), Pharmacologists, Biologists.

and provides XX C.M.E. credits.

In order to obtain C.M.E. credits, participants must:
• attend the 90% of the Meeting (15 and 16 September)
• Fill-in the CME evaluation questionnaire (credits will be granted to those who will answer 75% correctly)
• belong to the credited Medical Profession and Specializations related to this Meeting
• Submit the required documentation, sign in and sign out at the registration desk at the beginning/end of the Congress.

C.M.E. CERTIFICATION
The certificate of attendance with the number of C.M.E. assigned credits can be downloaded after 91 days from the date of the Meeting directly through the website www.collage-spa.it/sezione congressi ecm / corsi ecm / select the year and the title of the Event/digit your fiscal code and download your certification.

CERTIFICATE OF ATTENDANCE
Certificate of attendance will be issued at the registration desk at the end of the Meeting.

REGISTRATION FEE € 400,00 ( 22% VAT not included)

It includes: attendance at the scientific sessions, coffee breaks and buffet lunches as indicated in the scientific program, congress badge, congress kit

Please confirm your participation to the Organizing Secretariat by registering online at www.collage-spa.it by July 10th, 2017.

PAYMENTS
Payments will be possible exclusively by bank transfer to Collage S.p.A. account:
IBAN: IT77V0100504601000000000712
SWIFT CODE: BNLIITTRXXX

Please note that your registration will only be valid when full payment is received by the administrative office. Payment done by bank transfer must be certified with the copy of the receipt of the bank to be uploaded in the registration form or sent to e-mail to giusy.ventura@collage-spa.it

OFFICIAL LANGUAGE
The official language of the Meeting will be English. No simultaneous translation will be provided.

CME Provider and Organizing Secretariat