

VII Российская с международным участием

Конференция «Иммунология гемопоэза»

Тема:

«Иммунологический контроль эффективности современных методов лечения гемобластозов»

VIIth Russian Conference with International participation
“Haematopoiesis Immunology”

8 June, 2010

“Immunological Monitoring of Minimal Residual Disease in
Acute Leukaemias and non-Hodgkin’s Lymphomas”

6 June – Day of Haematopoiesis Immunology Lab. Foundation

June 6

РОССИЙСКАЯ АКАДЕМИЯ МЕДИЦИНСКИХ НАУК

ГОСУДАРСТВЕННОЕ УЧРЕЖДЕНИЕ

РОССИЙСКИЙ ОНКОЛОГИЧЕСКИЙ НАУЧНЫЙ ЦЕНТР

имени Н.Н. БЛОХИНА

ПРИКАЗ

«06» июня 2003 г.

№ 827-Ф

г. Москва

«Об изменении структуры и штатного
расписания НИИ клинической онкологии»

На основании решения Объединенного ученого совета
ГУ РОНЦ им. Н.Н. Блохина РАМН (выписка из протокола
№6 от 10 апреля 2003 года) «Об изменении структуры НИИ
клинической онкологии ГУ РОНЦ им. Н.Н. Блохина РАМН»:



Painting by Orest A. Kiprenski, 1827

A. S. Pushkin

Date of Birth - May 26 [June 6, New Style], 1799, Moscow, Russia

«Порой опять гармонией упьюсь,
Над вымыслом слезами обольюсь ...»

Journal "Haematopoiesis Immunology"

Since 2007
 this protocol of MRD diagnosis
 in Hematology Malignancy Chemotherapy
 Cancer Research Institute, N.#N. Blokhin
 Hemopoiesis Immunology Laboratory, C
 RCRC RAMS Hemocytology Group
 Research Institute, N.#N. Blokhin RCRC

Abstract
 Measurement of portion of B-cell precursor
 bone marrow mononuclears on days 15
 post-treatment for cytotoxic chemotherapy
 leukemia. The technique is based on B-c
 therapy. The threshold is defined as 0.01
 mononuclear cells in bone marrow from
 leukemia on the day. The threshold is
 reproducible and low costs. We used this
 technique to monitor the residual blast
 mononuclears.
 This technique identifies with high degree
 requiring more intensive treatment
 of further chemotherapy may be reduced

Key words: childhood acute lymphoblastic
 cytofluorimetry, CD19+CD10+, CD19+

Abbreviations
 MRD, minimal residual disease

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THIS STUDY will be published in Journal of Hematology
 The morphological study of B-cell precursor was performed by two experienced hematologists
 Count of control myelogram was made by 2 morphologists (250 cells each) on bone marrow
 smears after Papanicolaou staining.
 The Mononuclear fraction was prepared on ficoll-verografin density gradient to perform RIF-49
 and the red blood cells were lysed. Following these incubation
 unlabeled erythrocyte lysis and mononuclear gating in some cases. Cells were incubated with
 labeled monoclonal antibodies (Mab) directly conjugated with fluorescein. The RD panel
 The RD diagnostic panel included two tubes: (i) CD19PerCP/IG1PE/IG1FITC and
 (ii) CD19PerCP/CD10PE/CD34FITC. (i) twice
 After incubation for 20 min the cells were washed ~~with PBS~~ for 5 min ~~with PBS~~ at
 1000g in phosphate buffered saline (PBS) with 0.5% of serum albumin. After washing the
 reactivity was measured using a flow cytometer.
 At least 100,000 MNC were used to detect minimal amount of residual leukemic blasts in each
 sample. CD19 expression was measured in the MNC gate identified by forward and side light
 scatter (FSC/SSC) (Fig. 2a), then portions of CD10+ and CD34+ cells (Fig. 1a) were evaluated
 within the CD19+ MNC gate (Fig. 1b). The following Mab and fluorochrome combinations were
 used: Mab to CD19 conjugated with pyridine chlorophyll PerCP or PE-cy5 (detectable in F13
 channel) and Mab to CD10 conjugated with phycoerythrin (PE) (the label is detectable in F2
 detector by FC) and

Results
 A total of 21 child
Materials and
 A total of 21 child
 study
 Research Institute
 All patients had c
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 CD34, CD56, CD
 CD5, CD4, CD8
 (CD64) NK-cell re
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 (Table 1) and 10-40%
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*Here comes
 the next*

От ежегодного отчетного собрания лаборатории к международной конференции

- 6 стран
- 15 городов России
- 15 клиник и институтов Москвы
- 6 клиник и институтов Санкт-Петербурга
- Общее число участников – 159

Конференция 2009 года



Желаю успеха 7-й конференции
«Иммунология гемопоэза»!