UNIKLINIK KÖLN | Klinik und Poliklinik für Kinder- und Jugendmedizin | Pädiatrische Onkologie und Hämatologie

Centrum für Integrierte Onkologie Köln Bonn

Direktor: Univ.-Prof. Dr. J. Dötsch

Uniklinik Köln | Klinik und Poliklinik für Kinder- und Jugendmedizin |
Pädiatrische Onkologie und Hämatologie · 50924 Köln

Leiter der Abteilung:
Univ.-Prof. Dr. F. Berthold
Kerpener Str. 62
- Gebäude 26 -
50937 Köln (Lindenthal)

Sekretariat: Frau M. Stein
Telefon: +49 221 478-4380
Telefax: +49 221 478-4689
frank.berthold@uk-koeln.de
www.uk-koeln.de/kliniken/kinder/onkologie/

Cologne, May 17th, 2013

To whom it may concern

This is to certify that Petru Adrian Dogaru born 06.12.2012 was diagnosed in Bucuresti, Romania with neuroblastoma of the right adrenal.

Further examinations in our department confirmed this diagnosis (still preliminary) but revealed the extraordinary aggressive nature of the tumor.

Current diagnosis:
High risk MYCN amplified neuroblastoma in infancy, stage 4
Primary tumor: right adrenal
Metastases: regional ipsi- and contralateral lymph nodes
distant lymph nodes
bone marrow (MYCN amplified tumor cells).

It is suggested to treat the patient according to the high risk neuroblastoma protocol NB2004-HR (see below).
Because of the very young age and the aggressiveness of the necessary treatment, this should be performed in a specialized center.

Planned next steps:
1. MRI of the abdomen/thorax
2. surgical procedure to obtain a qualified biopsy specimen and to insert a double lumen Broviac catheter (required for chemotherapy)

The intensive chemotherapy is planned for 6 months, the following myeloablative chemotherapy with autologous stem cell transplantation another three months.

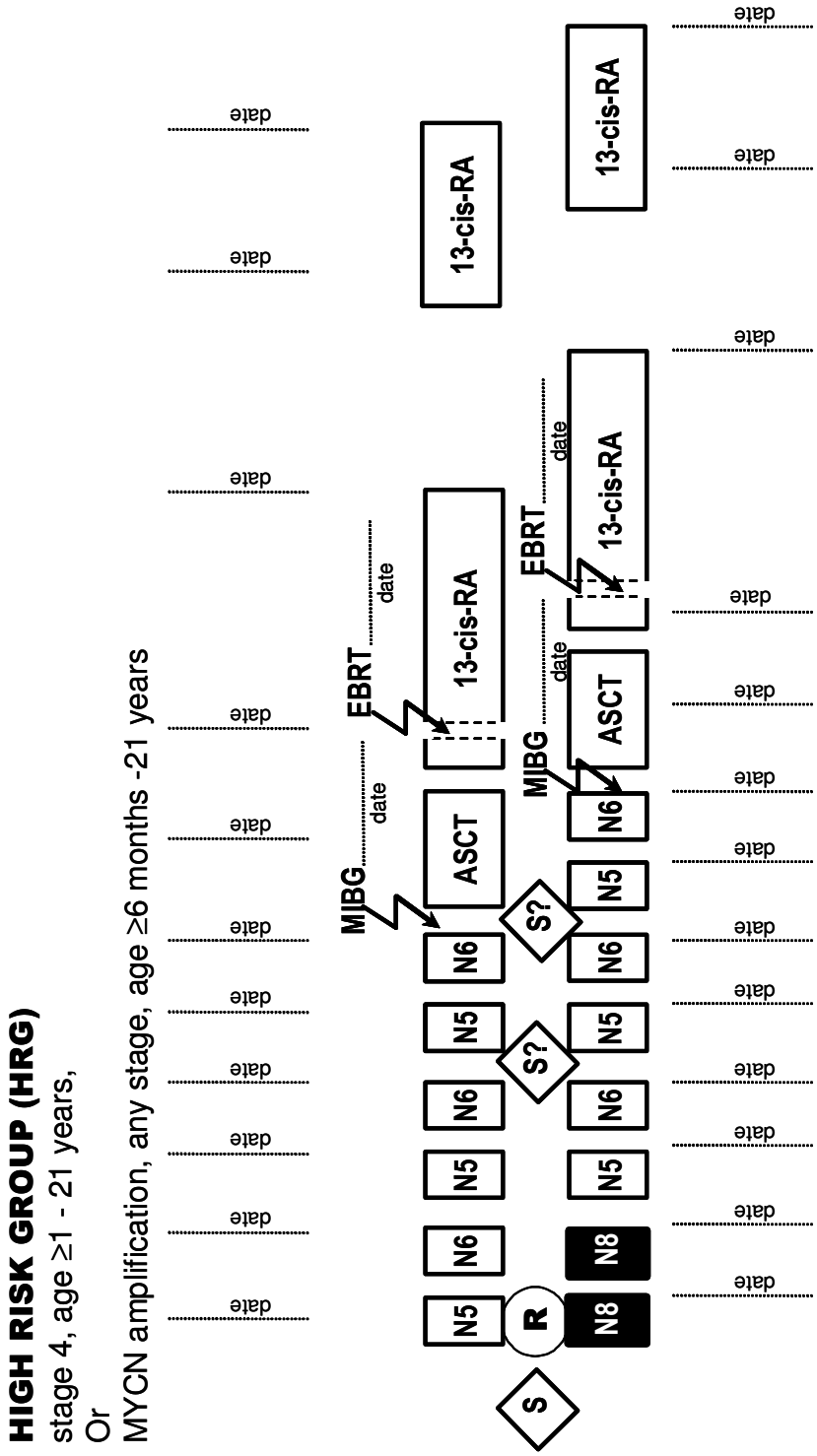
The Romanian administration is asked to provide the necessary regulatory documents and the form S2/E112. The Vodafone foundation is asked to cover additional expenses for living of the family and private Medical care.

Currently a re-transfer from Cologne to Romania is not indicated for Medical emergency reasons. A quick response is mandatory.

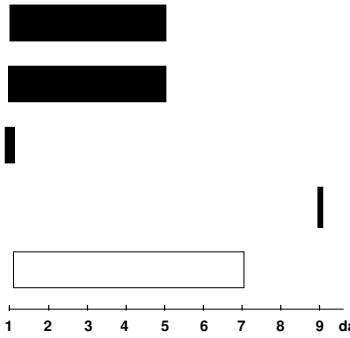


Prof. Dr. F. Berthold

Overview

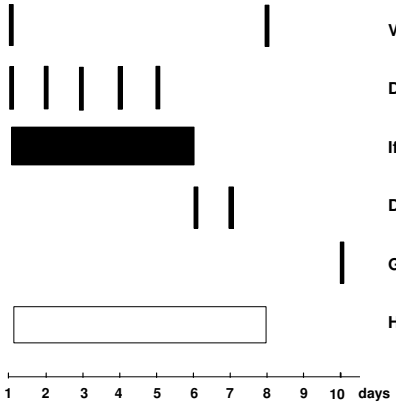

HIGH RISK GROUP (HRG)
stage 4, age ≥1 - 21 years,
Or
MYCN amplification, any stage, age ≥6 months -21 years
S
R
S?
S?
N5
N6
N8
MIBG
EBRT
ASCT
13-cis-RA
date

Cycle N5



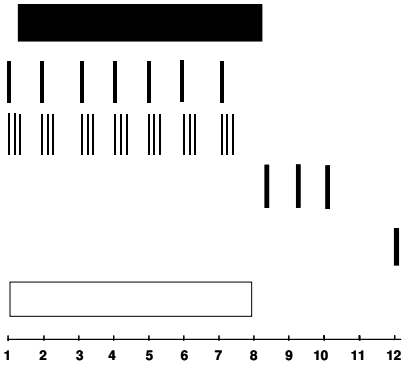
Cisplatin	**40 mg/m²xd**	**d 1 to 4**	**96 hrs**
Etoposide	**100 mg/m²xd**	**d 1 to 4**	**96 hrs**
Vindesine	**3 mg/m²xd (maximum 6 mg)**	**d 1**	**1 hr**
G-CSF	**5 µg/kgxd s.c.**	**≥d 9 until WBC >10/nl**	
	10 µg/kgxd for stem cell mobilization		
Hydration	**3000 ml/m²xd**	**day 1 to 6**	
	doses for children ≥1 year, for infants see text		

Cycle N6



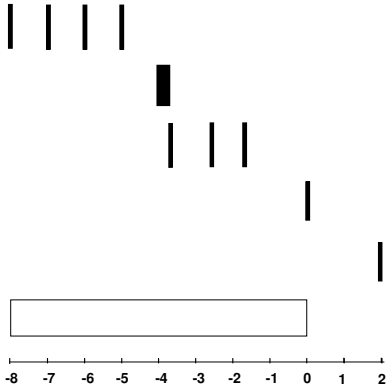
Vincristine	**1.5 mg/m²xd (maximum 2mg)**	**d 1 and 8**	**1 hr**
Dacarbacin	**200 mg/m²xd**	**d 1 to 5**	**1 hr**
Ifosfamide	**1500 mg/m²xd**	**d 1 to 5**	**120 hrs**
	discontinue during dacarbacine infusion		
Doxorubicine	**30 mg/m²xd**	**d 6 and 7**	**4 hrs**
G-CSF	**5 µg/kgxd s.c.**	**≥d 10 until WBC >10/nl**	
	10 µg/kgxd for stem cell mobilization		
Hydration	**3000 ml/m²xd**	**day 1 to 7**	
	with MESNA 900 mg/m²xd		
	doses for children ≥1 year, for infants see text		

Cycle N8



Topotecan	**1.0 mg/m²xd**	**d 1-7**	**168 hrs**
	starts 6 hrs after CYC day 1		
Cyclophosphamide	**100 mg/m²xd**	**d 1-7**	**1 hr**
	starts 6 hrs prior to Topotecan day 1		
MESNA	**3 x 20 mg/m²**	**d 1-7**	**push**
	0, 4, and 8 hrs after cyclophosphamide		
Etoposide	**100 mg/m²xd,**	**d 8-10**	**1hr**
G-CSF	**5 µg/kgxd s.c.**	**≥d 12 until WBC >10/nl**	
Hydration	**2000 ml/m²xd**	**d 1-7**	

Megatherapy



Melphalan	**45 mg/m²xd**	**d -8 to -5**	**30 min**
Etoposide	**40 mg/kgxd**	**d -4**	**4 hrs**
Carboplatin	**500 mg/m²xd**	**d -4 to -2**	**1 hr**
CD34+ stem cells	**≥2 x 10^6/kg**	**d 0**	
G-CSF	**10 µg/kgxd s.c.**	**≥d 2 until >10/nl WBC**	
Hydration	**3000 ml/m²xd**	**day -8 to -1**	

doses for children ≥1 year, for infants see text

For any residual MIBG uptake: MIBG therapy prior to ASCT
For residual MIBG uptake by primary: additional external radiation 36-40 Gy after megatherapy