



Moderne Chemotherapie bei Weichgewebesarkomen

25. April 2015, Swiss Sarcoma Patiententag, Zürich (CH)

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Sarkom Zentrum
German Interdisciplinary **S**arcoma Group (GISG)**

Weichgewebesarkom - Definition

Das **Sarkom** (v. griech. *σάρκωμα*, *sárkoma*, zu *σάρξ*, *sárx* „Fleisch“, „Weichteile“ und *-om* „Geschwulst“) ist ein bösartiger Tumor, der vom Stützgewebe (präziser: dem Mesoderm) ausgeht und frühzeitig in die Blutgefäße (hämatogen) metastasiert.

Weichgewebesarkome - Grundlagen

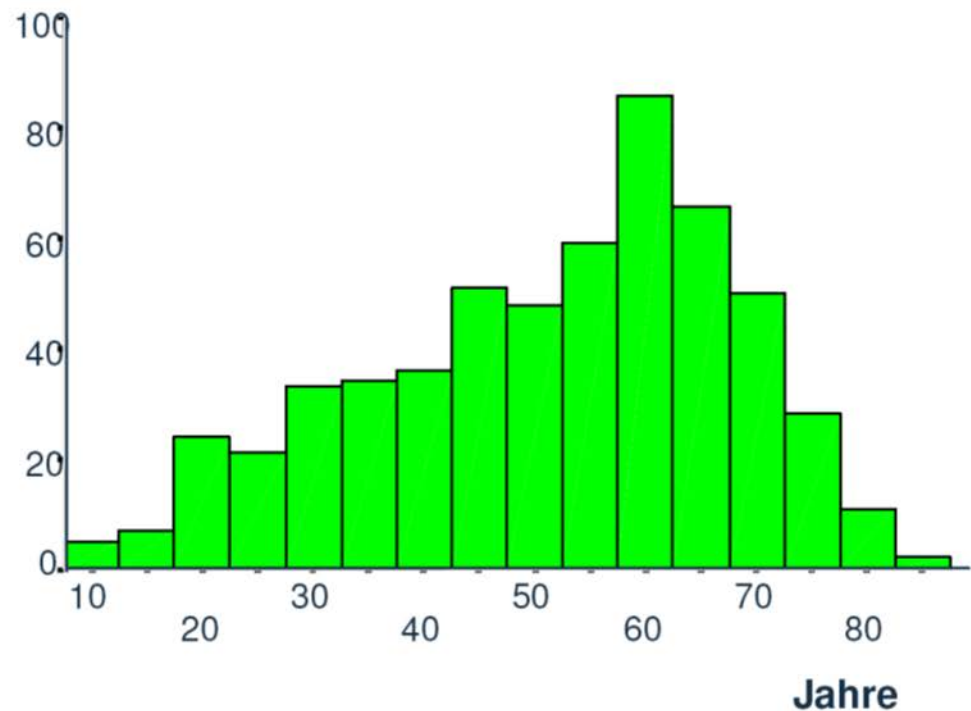
- Ca. 1 % aller malignen Tumore
- 3-4/100.000 pro Jahr
- Keine Geschlechtsunterschiede
- Lokalisation:
 - 12 % Retroperitoneum
 - 15 % obere Extremität
 - 15 % Kopf-Hals-Bereich
 - 18 % Stamm
 - 40 % untere Extremität



Weichgewebesarkome - Altersverteilung

**30 % der Patienten
> 60 Jahre**

**am häufigsten
zwischen dem
40.-70. Lebensjahr**



Weichgewebesarkome - Klinik

Schwellung im Bereich der Extremitäten
Funktionseinschränkung, Schmerz

Ausnahme: Becken
Retroperitoneum
Abdomen



Weichgewebesarkome - Diagnostik

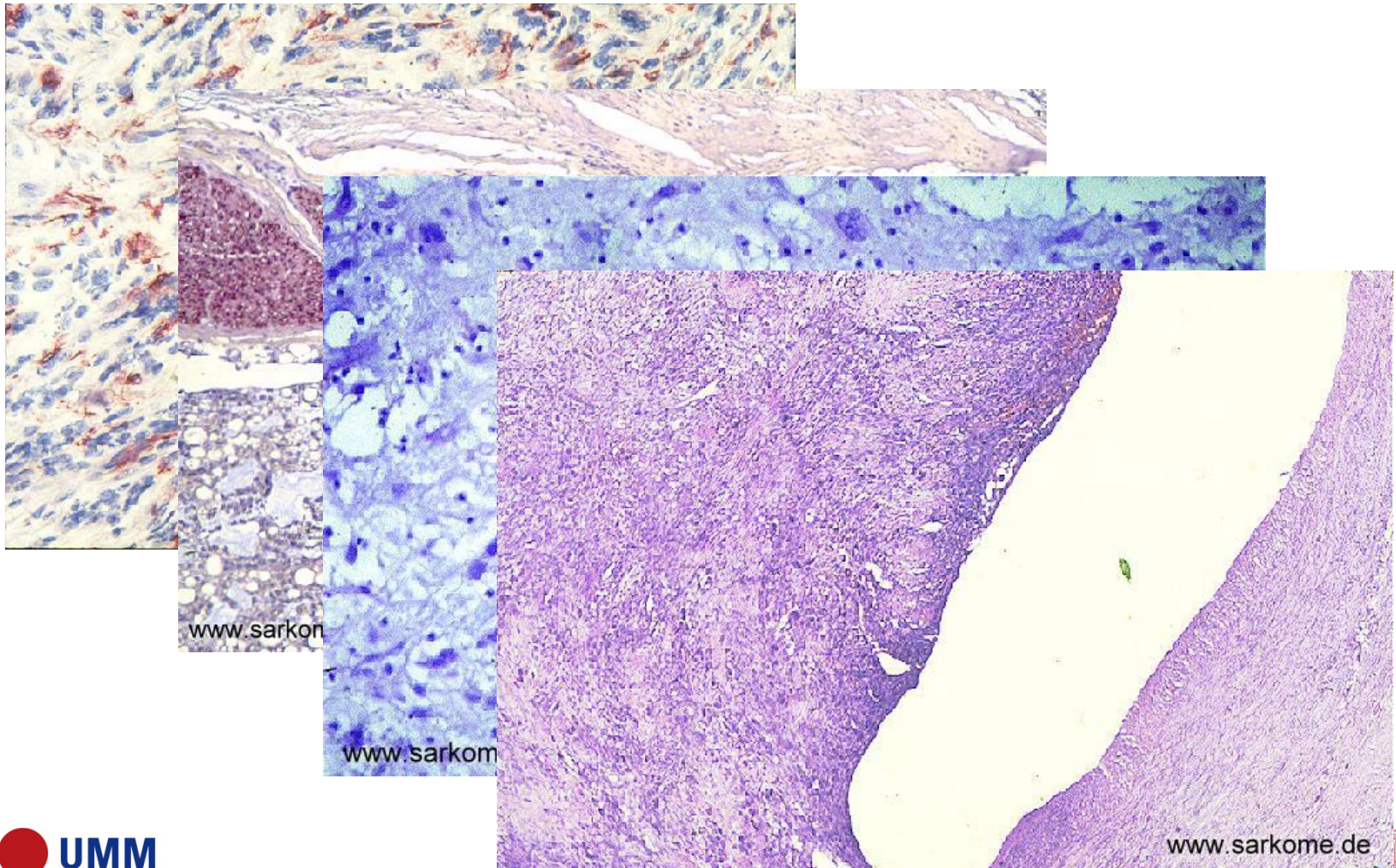
Malignitätsverdacht:

- Alter > 50 Jahre
- Tumorgröße > 8 cm
- Schmerzen
- Schnelle Größenzunahme
- Tiefe Lokalisation

„Sarkom ist nicht gleich Sarkom!“



„Sarkom ist nicht gleich Sarkom!“



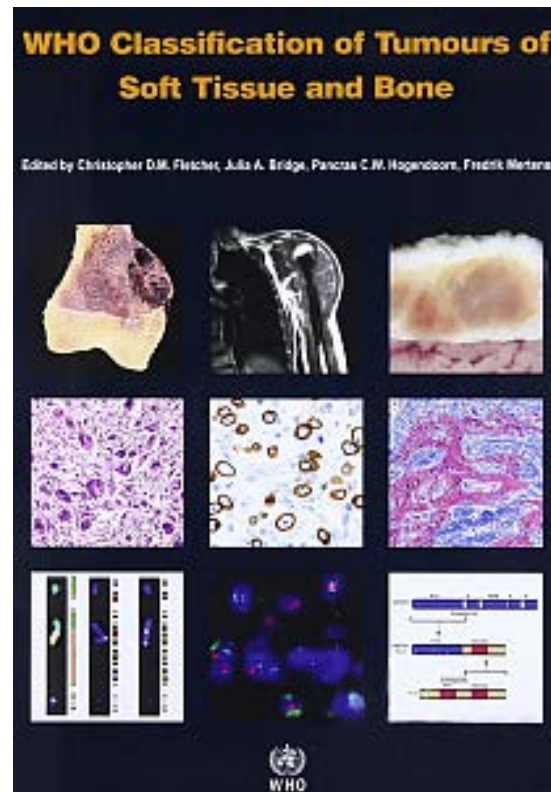
www.sarkome.de

der Universität Heidelberg

Universitätsklinikum Mannheim



„Sarkom ist nicht gleich Sarkom!“



Fletcher CDM et al. WHO Classification of Tumours of Soft Tissue and Bone. 4th ed; 2013

Weichgewebesarkome - Diagnostik

- Bei klinischem Verdacht zunächst lokale Bildgebung:
 - Methode der 1. Wahl = Gadolinium **MRT**
- Histologische Sicherung mittels Stanz- oder Inzisionsbiopsie unter strenger Berücksichtigung der definitiven Operation
- Staging: CT-Thorax, weitere Untersuchungen nach Klinik / Symptomen
- **Die möglichst korrekte histologische Diagnose ist entscheidend für die weitere Behandlung (Referenzpathologie!)**

Weichgewebesarkome - Metastasierung

- Meist hämatogen: v.a. Lunge, Knochen, Leber
- Selten lymphogen (< 5 %)
 - Ausnahmen: Rhabdomyosarkom, Synovialsarkom (15 - 20 %)

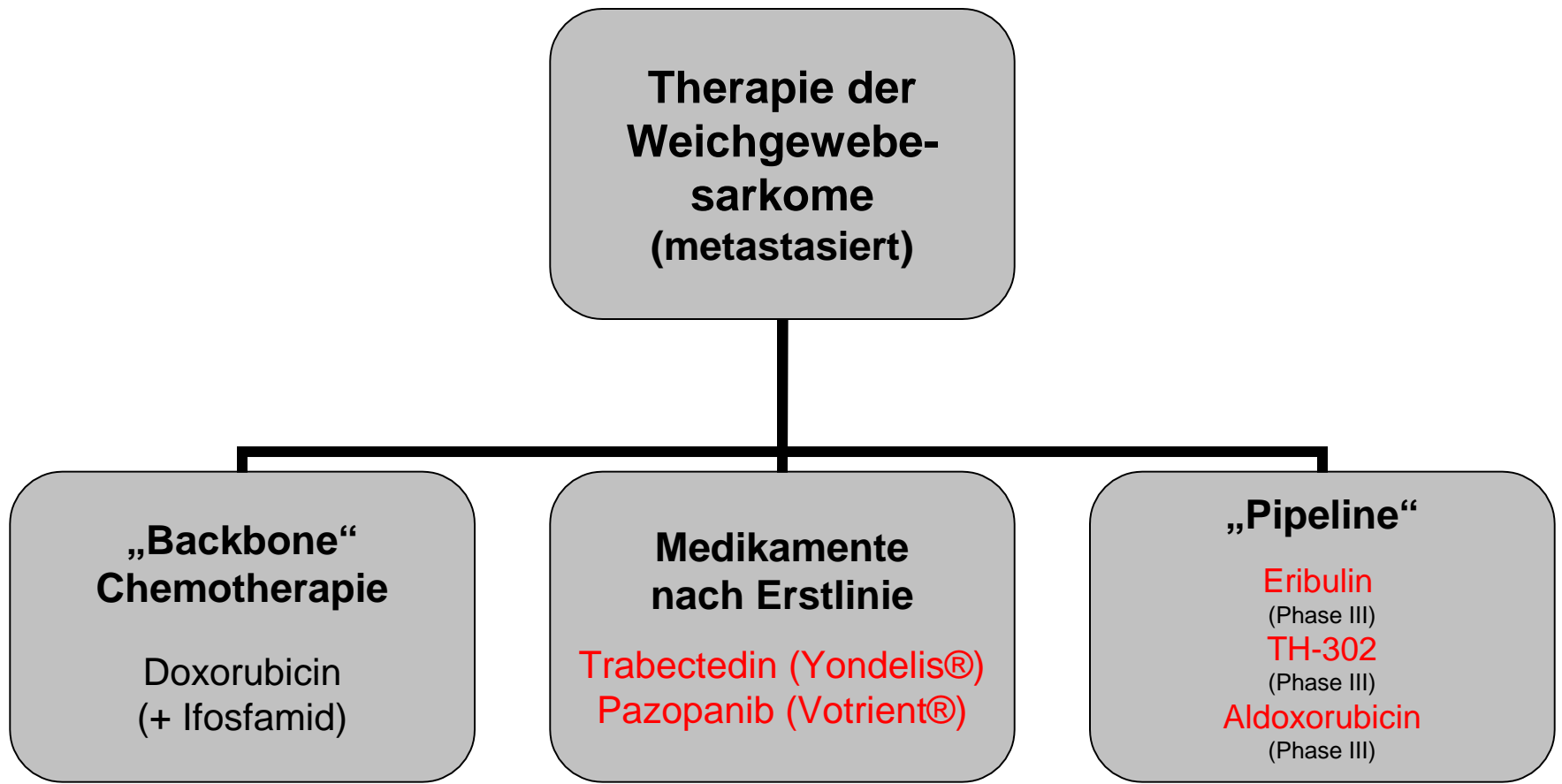
Weichgewebesarkome - Therapieprinzipien

Lokalisierte Erkrankung:

- Radikale Operation (Kompartimentresektion)
- Additive Strahlentherapie (prä / post OP)
- (neo-) adjuvante Chemotherapie

Fortgeschrittene Erkrankung:

- **Chemotherapie**
- Operation



ADRIAMYCIN CHEMOTHERAPY—EFFICACY, SAFETY, AND PHARMACOLOGIC BASIS OF AN INTERMITTENT SINGLE HIGH-DOSAGE SCHEDULE

ROBERT S. BENJAMIN, MD, PETER H. WIERNIK, MD, AND
NICHOLAS R. BACHUR, MD, PhD

A study designed to correlate clinical and pharmacologic observations was undertaken in 96 patients treated with adriamycin. The basic dosage schedule was 60 mg/m² I.V. q 3 weeks. Pharmacokinetic studies showed a prolonged plasma half-life, low urinary excretion, and undetectable levels in CSF. Patients with significantly impaired liver function had marked elevation and prolongation of plasma drug levels associated with severe toxicity unless dosage was reduced by 50–75%. Of the 82 evaluable patients, 10/25 with sarcomas, 9/31 with carcinomas, and 15/26 with hematologic malignancies have achieved complete or partial remission. An additional 22/48 have improved. Six patients with solid tumors had progressive CNS disease while responding systemically. Adriamycin can be used with relative safety and high efficacy in a dosage schedule that resulted from pharmacologic studies. Dosage reduction in patients with liver disease is essential to avoid life-threatening toxicity.



Fortgeschrittene STS - Mono vs. Poly CT

Autoren	Chemoprotokoll	N	Ansprechrate		Überleben
Muss et al. 1985	A/AC	104	NS		NS
Omura et al. 1983	A/AD	146	NS		NS
Borden et al. 1987	A/AD	186	AD = 30 %	(p = 0.02)	NS
Lerner et al. 1987	A/AD	66	AD = 44 %	(LMS)	NS
Santoro et al. 1995	A/AI/CYVADIC	449	NS		NS
Borden et al. 1990	A/AVd	295	NS		NS
Edmonson et al. 1993	A/AI/APM	262	AI = 34 %	(p = 0.03)	NS
Antman et al. 1993	AD/MAID	340	MAID = 32 %	(p = 0.002)	NS
Judson et al. 2014	A/AI	415	AI = 26 %	(A = 14 %)	NS
Ryan et al. 2013	A/APal	447	APal = 28 %	(A = 19 %)	NS

Kein Überlebensvorteil: Doxorubicin (75 mg/m²) bleibt der Gold-Standard!



Systemtherapien bei vorbehandelten STS

Alle STS (Europa)

Alle STS ohne Liposarkome

Alle STS (USA)

Alle STS

Leiomyosarkome (Europa)

Alle STS

Trabectedin

Pazopanib

Gemcitabine + Docetaxel

Ifosfamid hoch dosiert (ESMO 2014)

DTIC (ESMO 2014, v.a. LMS)

Gemcitabine (Option, ESMO 2014)

Gem + DTIC (Option, ESMO 2014)

Einschluss in klinische Studien

Einsatz von Trabectedin bei STS

Trabectedin (ET-743, Yondelis™):

- = „Minor groove binder“ marinen Ursprungs
- Vorbehandelte Patienten:
8 % RR, 26 % SD > 6 Monate
(Le Cesne et al. JCO 2005)
 - Unbehandelte Patienten:
17 % RR, 21 % Progressions-frei nach 1 Jahr
(Garcia-Carbonero et al. JCO 2005)
 - Dosierung: 1,5 mg/m² als 24h Infusion, Intervall 3 Wochen
 - Prämedikation: 20 mg Dexamethason 30 Min. vor Infusion

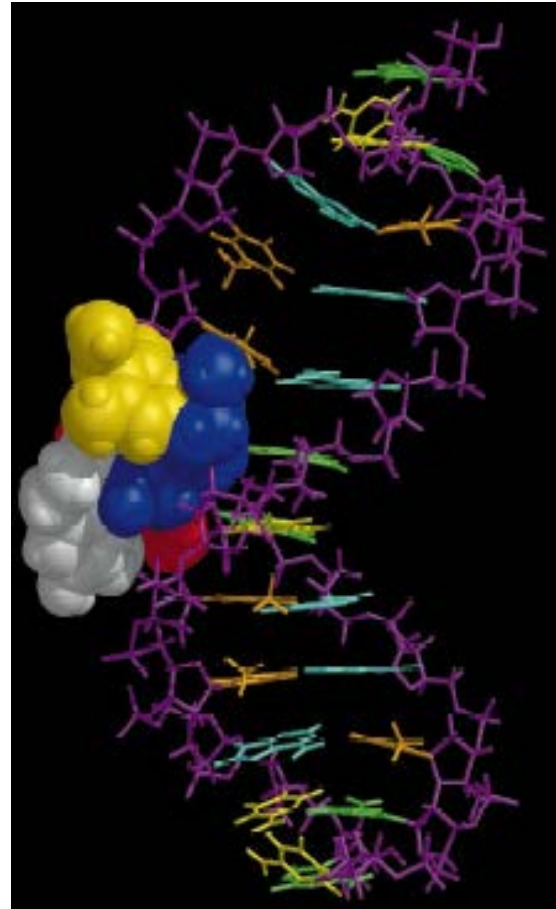


Einsatz von Trabectedin bei STS

European Medicines Agency:

“Trabectedin (Yondelis®, q3wk 24-h) ist indiziert für die Behandlung von Patienten mit fortgeschrittenem Weichgewebesarkom nach dem Versagen von Anthrazyklinen und Ifosfamid, oder bei Patienten, bei denen sich die Anwendung dieser Mittel nicht eignet.

Die Daten zur Wirksamkeit basieren hauptsächlich auf Patienten mit Liposarkom und Leiomyosarkom.”



Sicherheitsprofil von Trabectedin

Nebenwirkung	Doxorubicin (75 mg/m ²)	Ifosfamide (≥ 10 g/m ²)	Trabectedin (1.5 mg/m ²)
Neutropenie Grad 3-4	85 %	100 %	52 %
Neutropenes Fieber	29 %	40 %	5 %
AST/ALT Grad 3-4	NR	NR	51 %
Kardiotoxizität	5-10 %	–	–
Neurotoxizität	10 %	30 %	2 %
Tod	0-4 %	0-4 %	1 %
Alopezie	100 %	100 %	3 %

Keine spezifische Organtoxizität und keine kumulative Toxizität unter Trabectedin!



Optimaler Einsatz von Trabectedin

- Effektivität in frühen Linien
- Behandlung über 6 Zyklen hinaus
- Trabectedin bei älteren Patienten



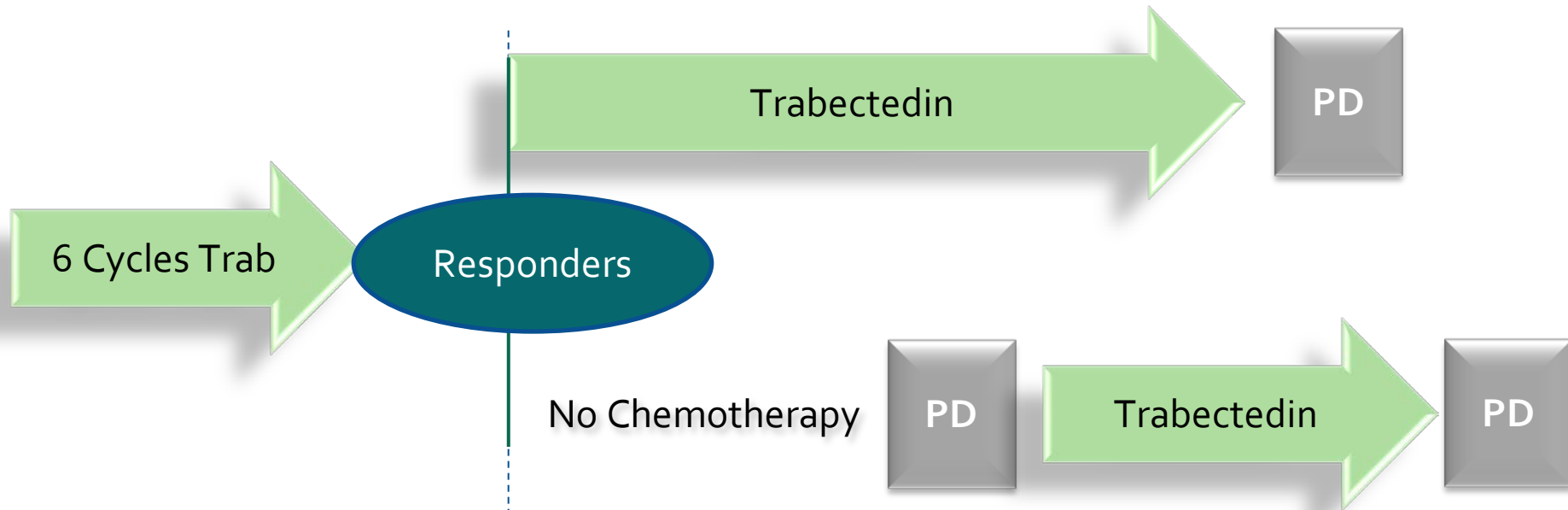
Effektivität in frühen Linien

- **Französische Datenbank „RetrospectYon“ (2008 - 2011)**
- **N = 885 (486 Frauen, medianes Alter 54 Jahre)**
- **Histologien: LMS (36 %), LPS (18 %), Synoviale Sarkome (11 %)**
- **Ansprechrate bei 16.1 % (135/835 Patienten)**

	Median PFS	Median OS
All population	4	12.2
Number of trabectedin line		
2nd	4.3	12.9
3rd	4.2	12.3
4 or more	3.4	9.5

➤ **Median PFS und OS sind in frühen Behandlungslinien günstiger**

T-DIS Studie mit Trabectedin (ASCO 2014 #10523)



Primary endpoint:

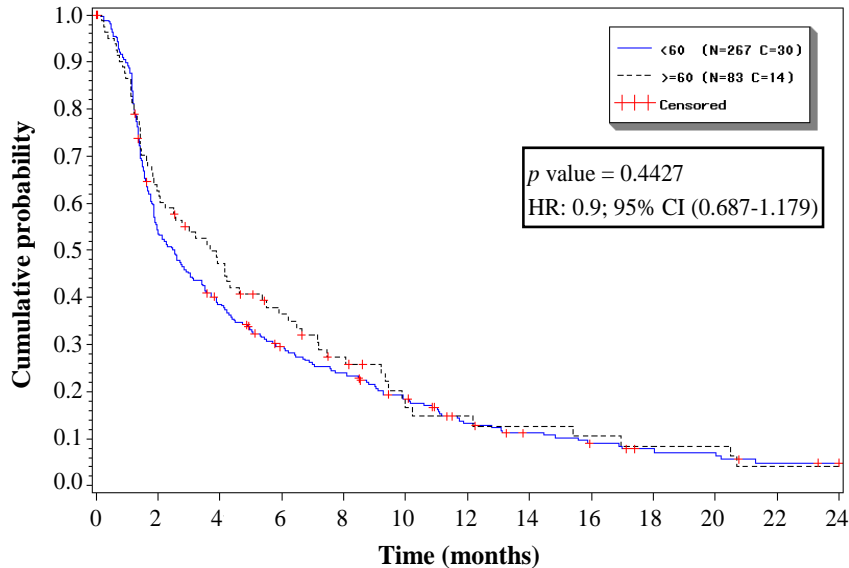
- PFR 24 weeks post randomization

Secondary endpoints:

- ORR
- PFR at 12 & 54 weeks
- Survival at 12 & 24 months

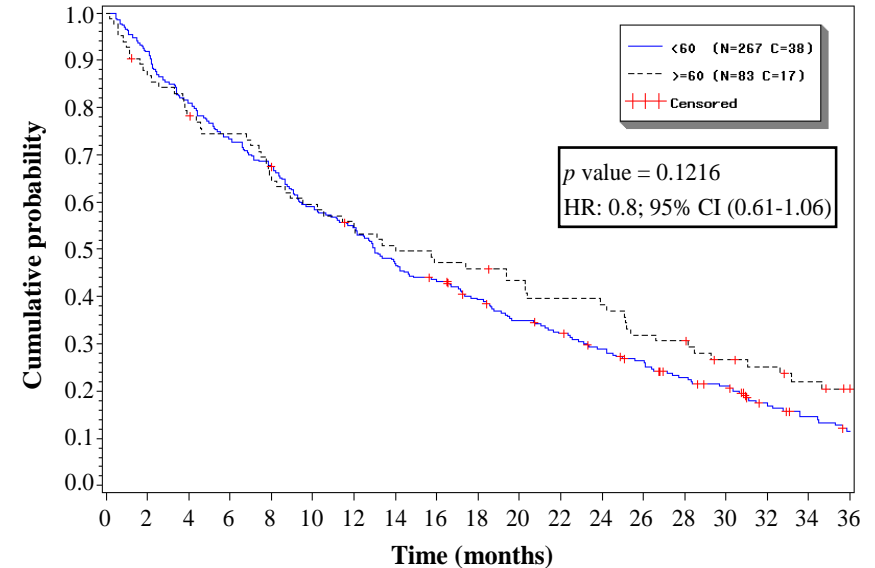
Trabectedin bei älteren Patienten

Progression-free survival



Median PFS (95% CI): <60: 2.5 (1.9-3.1) vs. ≥60: 3.7 (2.1-5.5)
 PFS at 3 mo (95% CI): <60: 45.1% (39.1-51.1) vs. ≥60: 55.1% (44.2-66.0)
 PFS at 6 mo (95% CI): <60: 29.5% (23.9-35.0) vs. ≥60: 36.4% (25.6-47.1)

Overall survival



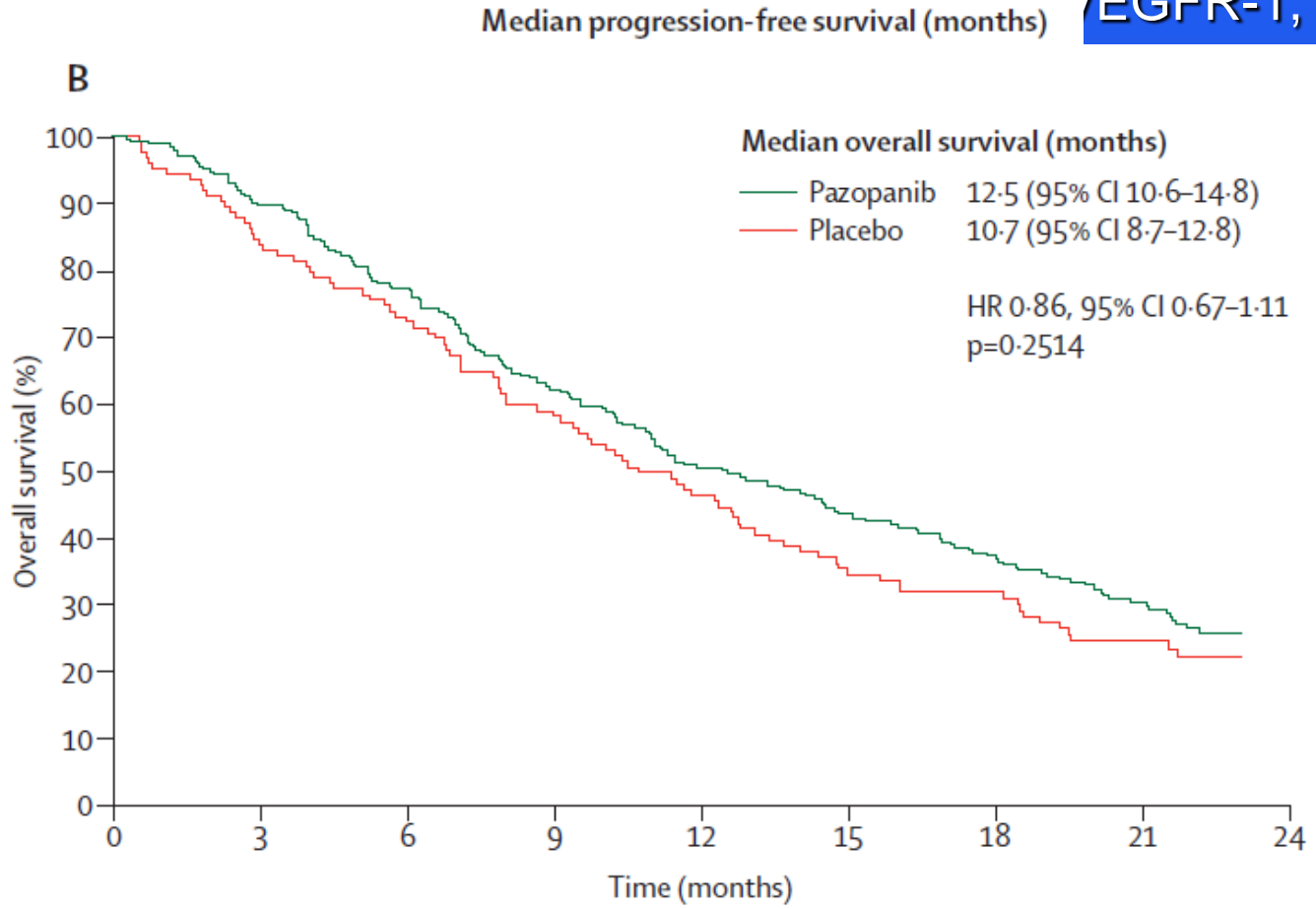
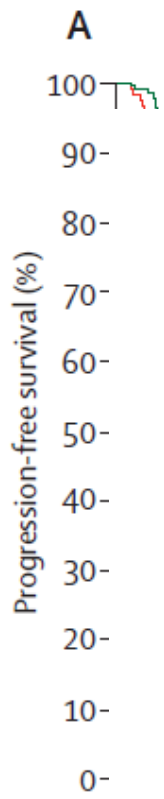
Median OS (95% CI): <60: 13.0 (11.3-14.9) vs. ≥60: 14.0 (9.5-23.9)
 OS at 12 mo (95% CI): <60: 54.6% (48.6-60.6) vs. ≥60: 55.8% (45.0-66.6)
 OS at 24 mo (95% CI): <60: 28.9% (23.4-34.4) vs. ≥60: 38.2% (27.6-48.9)

CI, confidence interval; HR, hazard ratio; mo, months; OS, overall survival; PFS, progression-free survival.

Keine wesentlichen Unterschiede hinsichtlich Effektivität und Toxizität bei Patienten ≥ 60 Jahre



VEGFR-1,



Number at risk

Placebo	1
Pazopanib	2

Number at risk

		3	6	9	12	15	18	21
Placebo	123	103	87	70	55	40	37	24
Pazopanib	246	216	185	149	119	103	87	57

PALETTE - Sicherheitsprofil von Pazopanib

Unerwünschte Ereignisse	Placebo (n = 123)		Pazopanib (n=240)	
	Alle Grade	Grad 3/4	Alle Grade	Grad 3/4
Fatigue	48%	5%	65%	14%
Durchfall	15%	< 1%	59%	5%
Übelkeit	22%	2%	56%	3%
Gewichtsverlust	15%	0%	48%	4%
Hypertonie	6%	0%	42%	7%
Appetitverlust	19%	0%	40%	6%
Veränderung der Haarfarbe	2%	0%	39%	0%
Erbrechen	11%	< 1%	33%	3%
Tumorschmerzen	21%	9%	29%	8%
Dysgeusie	3%	0%	28%	0%
Kopfschmerzen	8%	0%	23%	< 1%
Schmerzen der Skelettmuskulatur	20%	2%	23%	2%



LONG TERM RESPONDERS AND SURVIVORS ON PAZOPANIB FOR SOFT TISSUE SARCOMAS (STS). SUBANALYSIS OF TWO EUROPEAN ORGANISATION FOR RESEARCH AND TREATMENT OF CANCER (EORTC) CLINICAL TRIALS 62043 AND 62072

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¹University of Heidelberg, Mannheim University Medical Center, Mannheim, Germany - ²EORTC Headquarters, Brussels, Belgium - ³Erasmus University Medical Center - Daniel den Hoed Cancer Center, Rotterdam, The Netherlands - ⁴West German Cancer Center, Essen, Germany - ⁵The Netherlands Cancer Institute, Amsterdam, The Netherlands - ⁶Radboud University Nijmegen Medical Centre, Nijmegen, The Netherlands

BACKGROUND

Pazopanib has recently received approval in US, EU & Japan for use in certain STS subtypes. We conducted a retrospective analysis on pooled data from two EORTC clinical trials on pazopanib in STS in order to characterize long term responders and survivors.

METHODS

Patients selected for this analysis were treated with pazopanib in the EORTC 62043 phase II study (n = 142) and EORTC 62072 phase III study (n = 246) (see Figure 1 & Table 1).

TABLE 1: KEY CHARACTERISTICS AND DIFFERENCES OF THE TWO TRIALS

	EORTC 62043	EORTC 62072 - PALETTE
Type of trial	Phase II	Phase III
Design	One treatment arm: pazopanib 800 mg daily	Randomization (2:1) between pazopanib (800 mg daily) and placebo
Eligibility	<ul style="list-style-type: none"> Metastatic STS No more than one combination or two single agent chemotherapy for advanced disease 	<ul style="list-style-type: none"> Metastatic STS, except adipocytic tumors Maximum 4 prior lines of systemic therapy (incl. up to 2 combination regimens for advanced disease)
Primary endpoint	Progression free survival at 12 weeks	Progression free survival (independent central review)
Secondary endpoints	Overall progression free survival Response to treatment Overall survival Safety profile	Response to treatment Overall survival Overall survival Safety profile
Other	Disease burden assessed every 3 months until disease progression	Disease burden assessed every 4 weeks till week 12, then every 8 weeks till progression
Reference	Sleijfer et al. JCO 2009	Van der Graaf et al. Lancet 2012

Long-term responders and survivors were identified as the 10-33 % of patients with longest duration of response and survival, respectively. Time to event endpoints were estimated using KM techniques.

- **Progression-free survival (PFS):** from the date of registration/randomization to the first documentation of progression or death, whichever occurred first.
 - In the radiological assessment of the principal Investigator is used for the definition of progression; clinical progression in the absence of radiologically documented progression is also taken into account
- **Overall survival (OS):** from the date of registration/randomization to the date of death.

Patients are censored at the date of last patient visit (before the clinical cut-off date). Clinical cut-off dates for this analysis resulted in a pooled database with a median follow-up of 2.3 years.

Combined median progression-free survival (PFS) and median overall survival (OS) are depicted in Figure 2. 34 % of all patients had a PFS ≥ 6 months (n = 133) and were defined as long term responders; 33 % of all patients survived ≥ 2.0 months (n = 126), defined as long term survivors. The following patient characteristics were studied: gender, age, performance status, tumor localization, histology, grading, treatment exposure and dose modifications, severity of adverse events and post-procedural therapy.

FIGURE 1: CONSORT-LIKE DIAGRAM

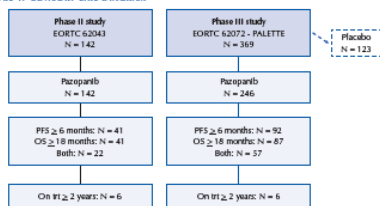
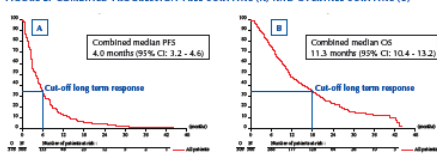


FIGURE 2: COMBINED PROGRESSION-FREE SURVIVAL (A) AND OVERALL SURVIVAL (B)



LIMITATIONS OF THIS ANALYSIS

- Differences in patient populations and disease characteristics (i.e., prior treatment and histological subtype), the different study designs and endpoints of the phase II and the phase III studies have to be taken into account when interpreting these results.
- The different follow-up schedules can be a potential source of bias when combining the PFS data from the two studies.

RESULTS

Patient characteristics were compared between four subgroups based on short/ long term PFS and OS, respectively. 79 patients were both long term responders and long term survivors (Table 2). The descriptive analysis confirmed the importance of known prognostic factors such as age, performance status and tumor grading, but did not add additional characteristics translating into long term response or survival.

TABLE 2: PATIENT CHARACTERISTICS

	RESPONSE CATEGORIES				Total (N = 388)	Patients on pazopanib for ≥ 2 years (N = 12)
	PFS < 6 months & OS < 18 months (N = 206)	PFS < 6 months & OS ≥ 18 months (N = 49)	PFS ≥ 6 months & OS < 18 months (N = 54)	PFS ≥ 6 months & OS ≥ 18 months (N = 79)		
Age (years)	Median 43 - 65	Median 45 - 62	Median 46 - 66	Median 34 - 62	41 - 64	30 - 55
Gender N (%)	Male 98 (47.4)	Male 30 (61.2)	Male 28 (51.9)	Male 25 (31.6)	170 (43.8)	3
	Female 108 (52.4)	Female 30 (61.2)	Female 26 (48.1)	Female 54 (68.4)	218 (56.2)	9
Performance status	0 82 (39.8)	0 35 (71.4)	0 18 (33.3)	0 50 (63.3)	185 (47.7)	7
	1 124 (60.2)	1 14 (28.6)	1 36 (66.7)	1 29 (36.7)	203 (52.3)	5
Site of primary	Extremities 60 (33.5)	Extremities 15 (30.6)	Extremities 21 (39.6)	Extremities 27 (38.9)	133 (34.3)	7
	Extra-intra abdominal 43 (20.9)	Extra-intra abdominal 9 (18.4)	Extra-intra abdominal 8 (14.8)	Extra-intra abdominal 16 (20.3)	76 (19.6)	2
	Visceral 45 (21.8)	Visceral 15 (30.6)	Visceral 9 (16.7)	Visceral 18 (22.8)	86 (22.2)	2
	Other 49 (23.8)	Other 10 (20.4)	Other 16 (29.6)	Other 18 (22.8)	93 (24.0)	1
Histology (central review)	Liposarcoma 65 (31.6)	Liposarcoma 26 (53.1)	Liposarcoma 19 (35.2)	Liposarcoma 33 (41.8)	143 (36.9)	4
	Synovial sarcoma 38 (18.4)	Synovial sarcoma 4 (8.2)	Synovial sarcoma 11 (20.4)	Synovial sarcoma 10 (12.7)	63 (16.2)	2
	Other 103 (50.0)	Other 19 (38.8)	Other 24 (44.4)	Other 36 (45.6)	182 (46.9)	6
Tumor grade at time of initial diagnosis (central review)	Low 11 (5.3)	Low 3 (6.1)	Low 3 (5.6)	Low 14 (17.7)	31 (8.0)	2
	Intermediate 66 (32.0)	Intermediate 17 (34.7)	Intermediate 18 (33.3)	Intermediate 29 (36.7)	130 (33.5)	7
	High 128 (62.1)	High 28 (57.1)	High 32 (59.3)	High 36 (45.6)	224 (57.7)	3
	Unknown 1 (0.5)	Unknown 1 (2.0)	Unknown 1 (1.9)	Unknown 0 (0.0)	3 (0.8)	0
Best overall response	Partial Response 7 (3.4)	Partial Response 3 (6.1)	Partial Response 9 (16.7)	Partial Response 18 (22.8)	37 (9.5)	2
	Stable Disease 86 (41.7)	Stable Disease 26 (53.1)	Stable Disease 40 (74.1)	Stable Disease 61 (77.2)	213 (54.9)	10
	Progressive Disease ^a 113 (54.9)	Progressive Disease ^a 20 (40.8)	Progressive Disease ^a 5 (9.2)	Progressive Disease ^a 0 (0.0)	138 (35.6)	0

^aIncluding patients dying before first response assessment (early death) and non-evaluable best response

CONCLUSIONS

- 34% of soft tissue sarcoma patients achieved a long term response (i.e. PFS ≥ 6 months)
- 33% of soft tissue sarcoma patients survived beyond 18 months
- 20% of soft tissue sarcoma patients achieved both (i.e. PFS ≥ 6 months and OS > 18 months)
- 3 % (12) of the patients demonstrated a clinical benefit even beyond 2 years

ACKNOWLEDGMENTS

The Phase II and III studies were collaborations between CSK and the EORTC. We thank all investigators, patients, and their families, for their contributions to this study.
Zuzana Duzikova, Stephanie Vandegoden, EORTC Communications Office.

Patienten und Methoden

- Ausschluss der Liposarkome und nicht auswertbaren Patienten führte zu einem Kollektiv von **344 Patienten**.
- Die folgenden Charakteristika wurden untersucht:
 - Geschlecht
 - Alter
 - Performance Status
 - Tumorlokalisation
 - Histologie und Tumor Grading
 - Behandlung
 - Nebenwirkungen

Long-term responders and survivors on pazopanib for advanced soft tissue sarcomas: subanalysis of two European Organisation for Research and Treatment of Cancer (EORTC) clinical trials 62043 and 62072

➤ 36 %
➤ 34 %

B. Kasper^{1*}, S. Sleijfer², S. Litière³, S. Marreaud³, J. Verweij², R. A. Hodge⁴, S. Bauer⁵, J. M. Kerst⁶ & W. T. A. van der Graaf⁷

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Received 10 September 2013; revised 4 November 2013; accepted 2 December 2013

Background: Pazopanib recently received approval for the treatment of certain soft tissue sarcoma (STS) subtypes. We conducted a retrospective analysis on pooled data from two EORTC trials on pazopanib in STS in order to characterize long-term responders and survivors.

Patients and methods: Selected patients were treated with pazopanib in phase II ($n = 118$) and phase III study (PALETTE) ($n = 226$). Combined median progression-free survival (PFS) was 4.4 months; the median overall survival (OS) was 11.7 months. Thirty-six percent of patients had a PFS ≥ 6 months and were defined as long-term responders; 34% of patients survived ≥ 18 months, defined as long-term survivors. Patient characteristics were studied for their association with long-term outcomes.

Results: The median follow-up was 2.3 years. Patient characteristics were compared among four subgroups based on short-/long-term PFS and OS, respectively. Seventy-six patients (22.1%) were both long-term responders and long-term survivors. The analysis confirmed the importance of known prognostic factors in metastatic STS patients treated with systemic treatment, such as performance status and tumor grading, and additionally hemoglobin at baseline as new prognostic factor. We identified 12 patients (3.5%) remaining on pazopanib for more than 2 years: nine aged younger than 50 years, nine females, four with smooth muscle tumors and nine with low or intermediate grade tumors at initial diagnosis. The median time on pazopanib in these patients was 2.4 years with the longest duration of 3.7 years.

Conclusions: Thirty-six percent and 34% of all STS patients who received pazopanib in these studies had a long PFS and/or OS, respectively. For more than 2 years, 3.5% of patients remained progression free under pazopanib. Good performance status, low/intermediate grade of the primary tumor and a normal hemoglobin level at baseline were advantageous for long-term outcome.

NCT00297258 (phase II) and NCT00753688 (phase III, PALETTE).

Key words: EORTC, long-term responders, long-term survivors, pazopanib, soft tissue sarcoma, STBSG

- Gegründet auf der Grundlage des Kompetenznetzes Sarkome (Ko.Sar)
- Ko.Sar = Wissenschaftsnetzwerk zur Förderung der interdisziplinären Erforschung und Therapie von Sarkomen
- Ko.Sar wird von der Deutschen Krebshilfe gefördert (2008-2011, 2012-2014)
- GISG wurde 2008 als Verein eingetragen
- GISG = Plattform zur Förderung klinischer, akademischer Studien (v.a. IIT)
- Vorstand: Prof. Dr. med. P. Hohenberger (MA) + PD Dr. med. P. Reichardt (B)
- Studienzentrale: Universitätsmedizin Mannheim
- Leiter der Studienzentrale: Prof. Dr. med. Bernd Kasper (Mannheim)
- Studienmanagement (Mannheim)

Membership Status (04/2015):

- Full members: 86 (doctors, study coordinators, study nurses, pharmas, ...)
- Promoting members: PharmaMar GmbH Germany

German Interdisciplinary Sarcoma Group



SARKOMKONFERENZ 2015

Forschung – Qualitätsmanagement – Fortbildung

26. - 28. Februar 2015
in Münster/Westfalen

www.sarkomkonferenz.de

Initiiert durch:



<http://www.sarkomkonferenz.de>



Medizinische Fakultät Mannheim
der Universität Heidelberg
Universitätsklinikum Mannheim



Study Portfolio (1)

- **GISG-01:** Imatinib in desmoid tumors (Phase II, **DESMOID**, Kasper)
- **GISG-02:** Combination therapy of Gemcitabine and Trabectedin in L-sarcomas (Phase I, **GEMYON**, Kasper)
- **GISG-03:** Neoadjuvant radiotherapy + Sunitinib in resectable soft tissue sarcomas (Phase I, **SUNRASE**, Jakob)
- **GISG-04:** Window of opportunity study of neoadjuvant Pazopanib in high-risk soft tissue sarcomas (Phase II, **NOPASS**, Ronellenfitsch)
- **GISG-05:** Randomized phase II trial comparing Pazopanib with Doxorubicin as first line treatment in elderly patients with metastatic or advanced soft tissue sarcoma (Phase II, **EPAZ**, Grünwald)
- **GISG-06:** Pazopanib + Paclitaxel in angiosarcoma patients (Phase II, **EVA**, Pink)
- **GISG-07:** Pazopanib in liposarcomas (Phase II, GEIS + **GISG**, Kasper)
- **GISG-08:** Outcome evaluation of Trabectedin treatment by RECIST/CHOI (Non-interventional study, **Y-IMAGE**, Kasper)

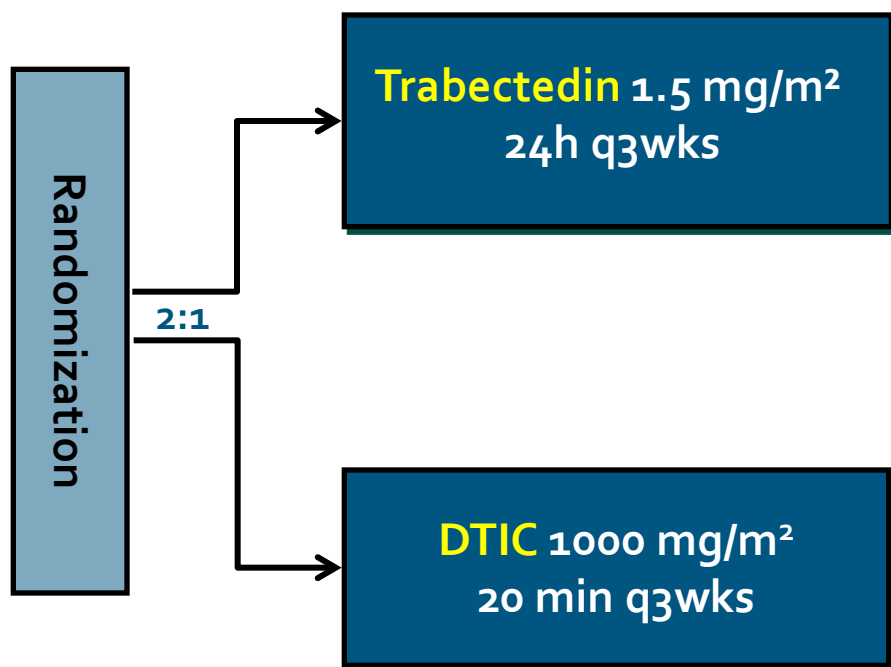
Study Portfolio (2)

- **GISG-09:** Pazopanib maintenance in retroperitoneal STS following first line treatment with Doxorubicin / Ifosfamide + regional Hyperthermia (Phase II, **NEOPAMAIN**, Lindner)
- **GISG-10:** Trabectedin combined with regional Hyperthermia as second line treatment for advanced STS (Phase II, **Hyper-TET**, Lindner)
- **GISG-11:** Quality of life in patients with soft tissue sarcoma undergoing palliative chemotherapy or treatment with Pazopanib - a randomized controlled study (Phase II, **PazoQoL**, Schuler)
- **GISG-12:** Patient directed intervention towards a multidimensional recommendation guideline to improve the quality of life for patients with soft tissue sarcoma under palliative treatment with Trabectedin (Non-interventional study, **YonLife**, Schuler)

SAR-3007 Study Design



Population: Locally advanced, metastatic L-sarcomas after previous treatment with anthracyclines and ifosfamide



Stratification:

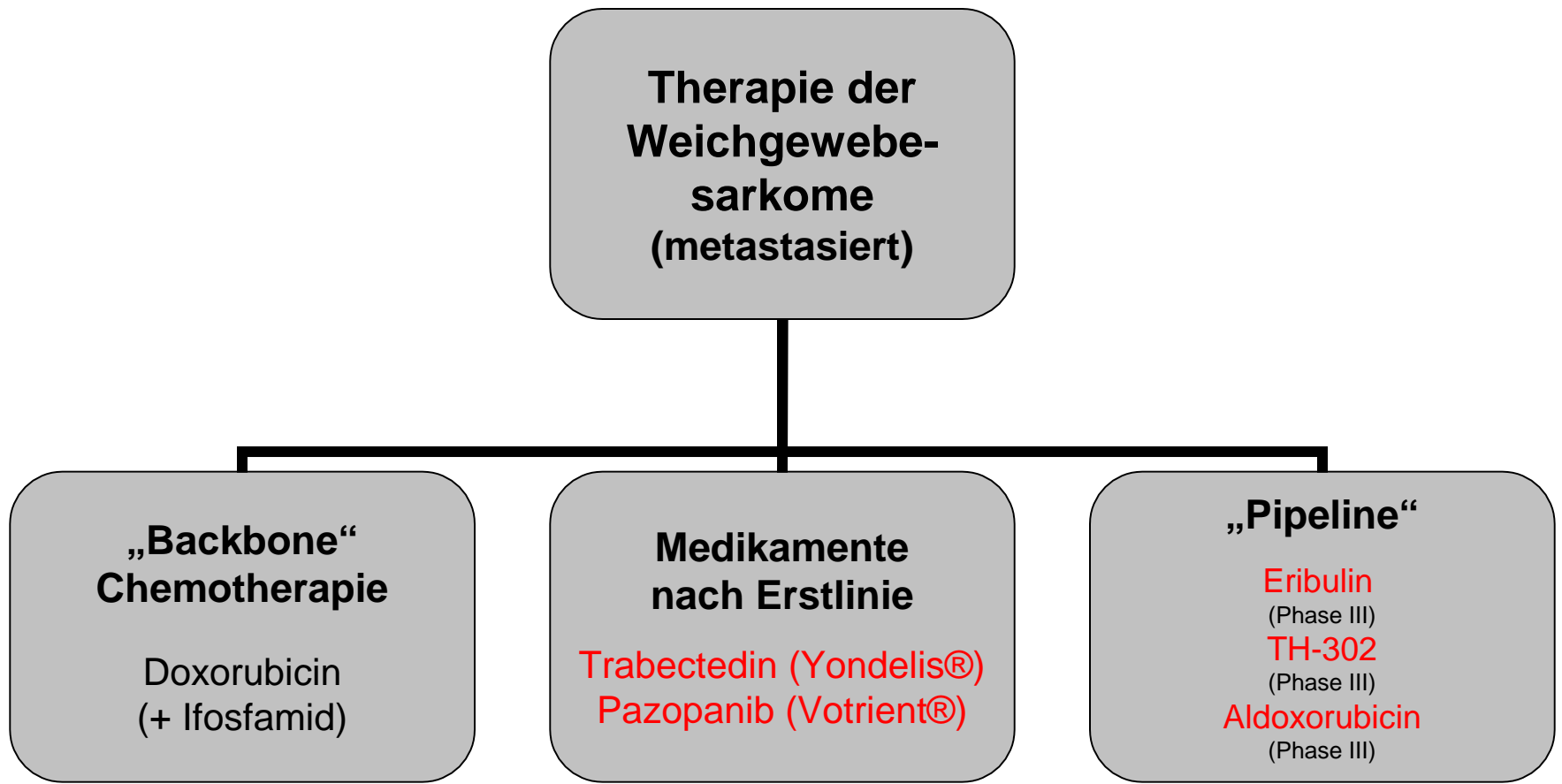
- ECOG PS
- Lines of prior therapy
- L-subtypes

- Primary endpoint: OS
- Statistical Assumptions
 - ◆ DTIC, OS = 10.0 mo
 - ◆ Trabectedin, OS = 13.5 mo
 - ◆ 35% improvement in median OS (HR=0.74), 80% power
 - ◆ Two-sided significance level of 0.05
- Need ~570 patients to observe 376 deaths
- Interim analysis for futility or superiority for potential early stopping
 - ◆ ~188 death events

ASCO 2015

A randomized, open-label, multicenter, phase III study to evaluate the efficacy and safety of Eribulin (E7389) vs Dacarbazine in adult patients with STS

- Primary endpoint: OS
- Patient number: n = 450
- Randomization: 1:1 ratio to one of the two arms
- Treatment (every 21 days):
 - Arm A: Eribulin 1.4 mg/m² i.v. over 2-5 minutes on days 1 + 8
 - Arm B: DTIC 850 mg/m² i.v. over 15 to 30 minutes on day 1



Zusammenfassung



Sarkom Zentrum

Prof. Dr. P. Hohenberger
Prof. Dr. B. Kasper
Prof. Dr. A. Marx
Prof. Dr. H.P. Scharf
Prof. Dr. F. Wenz

- Eine seltene Erkrankung erfordert Expertise
- Frühzeitige Vorstellung und Behandlung der Patienten im Zentrum
- Aktuelle Therapieleitlinien und -empfehlungen (ESMO Guidelines)
- Zugang zu laufenden klinischen Studien
- Wichtigkeit der interdisziplinären Zusammenarbeit (MDTs)





Fragen?

