Title: Phase I, Dose-Escalation Study of the Targeted Cytotoxic LHRH Analog AEZS-108 in Patients with Castration- and Taxane-Resistant Prostate Cancer

Running Title: Phase I Study of AEZS-108 in Castrate Resistant Prostate Cancer

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Keywords: AEZS-108, AN-152, Prostate Cancer, LHRH, CTCs

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Disclosures: Drs. Liu, Tsao-Wei, Xiong, Groshen, and Hawes have nothing to disclose. Dr. Dorff has a consultant/advisory role for Medivation, Astellas, Dendreon, Janssen and has received honoraria from Bayer. Dr. Quinn has a consultant/advisory role and has received honoraria from Astellas, Dendreon, Janssen, Bayer, Algeta, Genentech, Amgen, Millennium-Takeda, Novartis, Medivation and Teva. Dr. Tai has a patent for Membrane Filter for Capturing CTC, US 7,846,393 licensed to Cal Tech). Dr. Engel was an employee with a leadership position in Aeterna-Zentaris during the conduct of the study and owns stock in Aeterna Zentaris. Dr. Schally has received research funding from Aeterna Zentaris. In addition, Dr. Schally has a patent for Targeted Cytotoxic Anthracycline Analogs, US 5,843,903 and 6,184,374 licensed to Tulane University. Dr. Pinski reports honoraria from Aeterna Zentaris.

Manuscript Details: 3246 words (not counting abstract, references or legends), 3 color figures, 1 black and white figure, 3 tables, 3 supplementary tables.
**Statement of Translational Relevance:** This manuscript describes a phase I trial of AEZS-108 (formerly AN-152), a hybrid molecule coupling an LHRH agonist with doxorubicin. The structure of this compound permits targeted delivery of the cytotoxic doxorubicin moiety to cells bearing LHRH receptors. LHRH receptors are expressed on various tumors, including castration-resistant prostate cancer. Here, we report the results from the phase I trial of AEZS-108 in men with refractory prostate cancer, providing a maximum tolerated dose and reporting early signs of efficacy in heavily pretreated patients. Additionally, we demonstrate the ability to visualize internalization of this drug in captured circulating tumor cells, exploiting the auto-fluorescence of doxorubicin. This has the potential to be a valuable pharmacodynamic predictive marker and is being explored in an ongoing phase II trial of AEZS-108 in men with prostate cancer.
Abstract:

Background: AEZS-108, formerly AN-152, is a cytotoxic hybrid molecule consisting of an LHRH agonist moiety covalently coupled to doxorubicin, allowing it to deliver doxorubicin selectively to cells expressing LHRH receptors. LHRH receptors are expressed on the cell membrane of many tumors, including prostate cancer (PC). This Phase I study determined the maximum tolerated dose (MTD) of AEZS-108 in men with taxane- and castration-resistant PC (CRPC) while providing additional information on the safety profile and efficacy of this agent.

Materials and Methods: AEZS-108 was administered as an intravenous infusion every 21 days until progression or unacceptable toxicity in cohorts of 3 or 6 patients until the MTD was reached. Blood was collected for capture of circulating tumor cells (CTCs) to visualize internalization of AEZS-108, an auto-fluorescent molecule.

Results: The MTD of AEZS-108 in this cohort was 210 mg/m^2, which was lower than that seen in a Phase I study conducted in women with endometrial or ovarian cancers. The dose limiting toxicity was persistent neutropenia. Three patients had a PSA response with an additional 10 patients maintaining PSA stable disease. Of the 10 patients evaluable by RECIST criteria, 9 achieved stable disease. AEZS-108 internalization in CTCs was routinely visualized using its auto-fluorescence.

Conclusion: These findings show that AEZS-108 has an acceptable safety profile and a signal of efficacy, lowering PSA in heavily pretreated patients with PC, and that internalization of AEZS-108 in PC CTCs may be a viable pharmacodynamic marker. A phase II study in men with PC is ongoing.
Introduction

In the US, prostate cancer (PC) is the second leading cause of death in men.[1] The current standard treatment for metastatic PC is androgen deprivation therapy (ADT); while initially effective, the benefit from ADT is transient, with progression occurring after a median of 18 months.[2] Recently developed, next generation hormonal agents, such as abiraterone[3] and enzalutamide,[4] provide additional treatment options for castration-resistant PC (CRPC), but eventually, patients will consider treatment with cytotoxic chemotherapy. Several other agents are approved in this setting, including mitoxantrone, docetaxel, cabazitaxel and sipuleucel-T.[5] The use of these agents is regrettably empiric and limited by toxicity, with no useful predictive markers to guide their use. Effective cytotoxic agents with accompanying predictive biomarkers remain an unmet need in CRPC.

Receptors for luteinizing hormone-releasing hormone (LHRH) are expressed on the gonadotroph cells of the pituitary gland. This forms the basis for the use of LHRH agonists, typically leuprolide or goserelin, in advanced PC; their use leads to downregulation of LHRH receptors and a decrease in signaling through the pituitary-hypothalamic-gonadal axis, ultimately resulting in a decrease in the secretion of gonadal testosterone.[6] While expression of LHRH receptors may not be common in normal, non-pituitary tissue, these receptors are highly expressed on malignant tissue, including cancers of the lung, ovary, endometrium, bladder, kidney, breast, colon, and prostate.[7-15] We have previously reported that expression of LHRH receptor on PC cells persists despite prolonged exposure to LHRH agonists.[16]

AEZS-108 (formerly, AN-152) is a rationally designed, cytotoxic LHRH conjugate.[17] This compound consists of an LHRH analog covalently linked to the anthracycline doxorubicin, a broadly active cytotoxic agent.[18] The structure of AEZS-108 preserves the cytotoxicity of doxorubicin while providing a high binding affinity to LHRH receptors. AEZS-108 accumulates
on the surface of cells expressing LHRH receptors, triggering internalization of the drug, where
doxorubicin can provoke the desired anti-tumor response. The hypothesis is that this agent,
which targets the cytotoxic agent to cells bearing LHRH receptors, will reduce peripheral toxicity
while increasing efficacy. AEZS-108 has shown consistent activity in both in vitro and in vivo PC
models.[18,19] The first-in-human study of AEZS-108 was completed in women with ovarian,
endometrial or breast cancer and established a maximum tolerated dose (MTD) of 267 mg/m²
where the dose limiting toxicity was leukopenia and neutropenia.[20] In this limited study of 17
patients, 3 achieved a partial or complete response and 4 achieved stable disease. Given the
persistent expression of LHRH receptors in PC cells[16] and the lack of expression on most
normal tissues, AEZS-108 represents a promising targeted therapeutic agent for CRPC.
Because the experience with AEZS-108 was limited to female patients, we designed a dose-
escalation study of AEZS-108 in men with CRPC prior to launching a phase II trial
(NCT01240629).

The primary objective of this phase I study was to determine the MTD of AEZS-108 given
intravenously every 21 days in men with CRPC. Secondary outcomes included the assessment
of safety and tolerability and preliminary antitumor activity of AEZS-108 in this patient
population. In an effort to develop a predictive, pharmacodynamic biomarker, we captured
circulating tumor cells (CTCs) from treated patients before and after treatment with AEZS-108 to
detect internalization of this agent, exploiting the auto-fluorescent nature of doxorubicin.[21]

Materials and Methods

Patient Eligibility

This single institution, open-label, dose escalation trial was approved by the Health Sciences
Institutional Review Board of the University of Southern California (Los Angeles, CA) in
accordance with the Helsinki Declaration. All patients provided written, informed consent.
Participation was limited to men with PC who had documented progression with at least one prior hormone treatment, which must have included LHRH agonist therapy, and at least one prior chemotherapy regimen, which must have included taxane therapy. Men were eligible if they had an Eastern Cooperative Oncology Group performance status of 0-2, had recovered from the acute and late effects of prior therapy and had adequate hematologic and organ function. Patients with brain metastases, prior anthracycline or anthracenedione therapy, or an impaired left ventricular ejection fraction (LVEF < 50%) were excluded. Due to the possibility of receptor competition with AEZS-108, patients were required to discontinue any LHRH agonist therapy and eligibility began 2 weeks after their first missed scheduled dose to permit an adequate wash-out.

**Dosage and Administration**

AEZS-108 (Aeterna Zentaris, Quebec, Canada) was administered intravenously through a central venous catheter over 2 hours every 21 days for up to 6 cycles; treatment beyond 6 cycles was left at the discretion of the principal investigator. Premedication included dexamethasone 8 mg given intravenously 30 minutes prior to chemotherapy and a 5-HT3 antagonist antiemetic. Concomitant use of bone-targeted agents was permitted and LHRH agonist therapy was withheld through the duration of the trial, but resumed upon discontinuation of AEZS-108.

**Study Design**

AEZS-108 was given intravenously in 21-day cycles. Only three cohorts were planned in this accelerated model: 160 mg/m², which was well tolerated in the published phase I trial in women, 267 mg/m², the established MTD in women, and 210 mg/m², an intermediate dose. DLT was defined using the National Cancer Institute Common Terminology Criteria for Adverse Events (CTCAE) version 4.0 as any of the following adverse effects attributed to the study drug during...
the first cycle: grade 3 or 4 neutropenia lasting longer than 7 days, grade 4 thrombocytopenia, grade 3 thrombocytopenia lasting longer than 7 days or with hemorrhage, development of clinical CHF or reduction in LVEF to < 50%, evidence of pituitary dysfunction based on scheduled thyroid function tests or cosyntropin stimulation tests, any delay in treatment beyond 21 days, or any grade 3 or higher non-hematologic toxicity (except for nausea or vomiting in the absence of optimal anti-emetic therapy; grade 3 diarrhea not treated with optimal medical therapy or that improved to grade 2 or lower within 2 weeks; and grade 3 elevation in AST or ALT that resolved to grade 2 or lower within 7 days). Hematopoietic growth factors were not permitted as primary prophylaxis during the first cycle.

AEZS-108 was dose escalated using standard “3+3” rules until the MTD was reached. At least three evaluable patients were treated in each cohort. If no patients at a given dose level experienced a DLT, the dose was escalated. If 2 patients at a dose level experienced a DLT, that dose was considered to be above the MTD and escalation was stopped in favor of de-escalation. If exactly 1 of the first 3 patients treated at a dose level experienced a DLT, 3 additional patients were treated at that dose level. If a second patient at that level experienced a DLT, the MTD was considered exceeded, but if no additional patients experienced a DLT, the MTD was reached. The MTD was thus defined as the maximum dose in which no more than 1 of 6 evaluable patients experienced a DLT. All patients treated would be evaluated for safety and efficacy. Patients would only be evaluable for dose escalation if they completed 1 full cycle of therapy or experienced a DLT. Patients not evaluable for dose escalation were replaced. Patients were permitted to continue AEZS-108 until disease progression, unacceptable toxicity, treatment delay of more than 3 weeks, completion of 6 cycles or patient or physician preference. Dose reductions were permitted but dose escalation and dose re-escalation in a given patient were not permitted.
**Assessment of Safety and Response**

Patients were assessed for safety at each clinic visit. A physical examination with laboratory studies was performed every 21 days prior to administration of AEZS-108. AEZS-108 has not been associated with cardiomyopathy in animal studies or in early human trials,[22] but because it does contain doxorubicin, which can be cardiotoxic, scheduled LVEF assessment with a cardiac multigated acquisition (MUGA) scan was performed after every third cycle and an ejection fraction < 50% or development of clinical congestive heart failure would prompt cessation of therapy. Due to potential off-target effects in the pituitary gland, thyroid function tests were performed every third cycle and a cosyntropin stimulation test, to interrogate the cortisol axis, was performed at baseline, after cycle 3 and after cycle 6. Toxicity was graded according to CTCAE version 4.0. Baseline tumor assessments were obtained within 2 weeks prior to initiating treatment, PSA was checked with every cycle and imaging studies were repeated after every third cycle. Response was assessed using RECIST version 1.1 criteria and classified as complete response (CR), partial response (PR), progressive disease (PD) or stable disease (SD).[23] Kaplan-Meier survival curves were constructed for progression free survival (PFS) and overall survival (OS).

**CTC analysis**

CTCs were captured using a polycarbonate microfilter containing size-based micropores measuring 7-8 microns in diameter evenly distributed over the membrane surface. Use of this membrane has been previously described.[24] Briefly, a 7.5 mL sample of blood collected in EDTA was diluted with 6 ml of phosphate buffered saline (PBS) and fixed with 10% formalin. Blood was collected at baseline and 1-3 hours after administration of AEZS-108 in cycles 1, 3 and 6 and immediately processed in this manner. The fixed cells were then passed through the filter using a syringe. After air-drying, the cells on the filter were stained with mouse anti-PSA antibody (1:200; Dako, Carpinteria, CA) and Texas red-conjugated anti-mouse IgG (1:100; Research.
Vector Laboratories, Burlingame, CA) The stained cells were mounted with DAPI-containing mounting media (Life Technologies, Carlsbad, CA) and analyzed using fluorescence microscopy. Cells were stained with DAPI and for PSA. Fluorescent microscopy was used to determine whether the captured PC CTCs displayed any evidence of autofluorescence.

**Results**

**Patient Characteristics**

Between November 2010 and December 2011, 18 patients were accrued to this study (Table 1), all of whom met the inclusion criteria and were treated in dose-escalated cohorts. The median age was 70 (range, 48-88) and 41% of patients had a Gleason score of 8 or higher. Median PSA at time of study entry was 106 ng/dL (range 8-1624). Patients received a median of 2 prior chemotherapy regimens (range, 1-5). Of the 18 total patients, 3 received abiraterone, 2 received enzalutamide, and 7 received cabazitaxel prior to enrollment. Progression prior to study entry was assessed by radiographic criteria in 39% and by symptomatic rise in PSA in 61%. All patients were evaluable for PSA response and 10 (56%) were evaluable by RECIST version 1.1 criteria. Sites of disease for each patient are detailed in Supplementary Table 1.

**Dose Escalation**

All 18 patients were treated with AEZS-108 in dose escalating cohorts of 160 mg/m² (n=3), 210 mg/m² (n=8), and 267 mg/m² (n=7). All patients were evaluable for toxicity (Table 2) but 2 patients at 210 mg/m² and 1 patient at 267 mg/m² were inevaluable for dose escalation due to lack of follow-up and were replaced. Dose limiting toxicities (DLTs) occurred in 3 patients: two patients at 267 mg/m² and one patient at 210 mg/m². In each case, the DLT was grade 4 neutropenia lasting greater than 7 days, though recovery was seen in each of these patients and each was successfully retreated at a lower dose. The 210 mg/m² dose was thus defined as the MTD in this study.
Safety Findings

AEZS-108 was reasonably well tolerated in this older patient population (Supplemental Table 2). Grade 3 and 4 adverse events were seen in 13 patients (72%, Table 2). Of these adverse events, anemia, lymphopenia, leukopenia, neutropenia and febrile neutropenia were observed in two or more patients on each dose level. The majority of treatment-related adverse events were observed at dose level 267 mg/m². Cardiac function did not significantly decrease during treatment and never fell below 50% (Supplemental Table 3). No patients developed hypothyroidism during therapy and cosyntropin stimulation tests did not reveal any pituitary abnormalities (Supplemental Table 3).

Treatment Administered and Efficacy

Patients received a median of 4 cycles (range 1-8) with 33% of patients receiving at least 6 cycles and 2 patients completing 8 cycles. Using PSA Working Group Criteria, 3 patients experienced a partial response (PR, a PSA decline of > 50% from baseline confirmed with a second value at least 4 weeks later), 10 patients had SD and 5 had PD as their best PSA response (Table 3, Figure 1). Of the 10 patients evaluable by RECIST version 1.1 criteria, 9 achieved SD and 1 had PD as their best response (Figure 2). Median PFS was 3.9 (95% CI: 2.5, 11.7) months (17 events, 1 censored at the time of initiating new therapy, Figure 3) and median OS was 8.9 (95% CI: 5.8, 30.6+) months (11 events, Figure 3). Median follow up was of 17.2 months (range: 14.4 to 30.6 months). Serial testosterone values were available for 14 patients (the other 4 had only a baseline value). Of these 14, 3 experienced a decrease, 7 remained the same and 4 had a rise in their testosterone, one of which exceeded 50 ng/dL.

CTC analysis
PC CTCs were consistently captured from patients using the slot filter method. No autofluorescence was noted on baseline samples (Figure 4). CTCs captured 1-3 hours after administration of AEZS-108 consistently showed auto-fluorescence, demonstrating internalization of AEZS-108 and the doxorubicin moiety.

**Discussion**

Initial therapy for advanced PC remains ADT and the recent development of novel hormonal agents, such as abiraterone and enzalutamide, offers additional options for men with CRPC.[3-5] While these agents are often highly effective, resistance invariably develops and the majority of patients will ultimately be considered for treatment with traditional chemotherapy. The development of a targeted strategy in this setting is appealing, in part due to the advanced age and comorbidities of most men with advanced PC. LHRH receptors are expressed on the cell membranes of PC cells, even after prolonged exposure to LHRH agonists[16] and while the function of these receptors remains unclear, their presence alone represents a potential context of vulnerability. AEZS-108 combines the binding affinity of an LHRH analog with a cytotoxic doxorubicin molecule, allowing targeted delivery of this anti-tumor agent to PC cells.[18]

This study describes the first experience with AEZS-108 in male patients. Interestingly, the MTD in this study was lower than that seen in females.[20] Overall, the safety profile was favorable, with reversible toxicities. A significant proportion of these heavily pretreated patients received 6 or more cycles. The DLTs seen were all related to persistent neutropenia and the use of colony stimulating factors such as pegylated G-CSF in the ongoing phase II study may abrogate these effects. There were several theoretical safety risks with AEZS-108 explored in this trial. First, due to the presence of the doxorubicin molecule, there was a potential risk of cardiotoxicity, as doxorubicin is associated with a dilated cardiomyopathy. AEZS-108 doses of 210 mg/m$^2$ and 267 mg/m$^2$ contain 60.2 mg/m$^2$ and 76.6 mg/m$^2$ of doxorubicin. The targeted nature of AEZS-
108 might prevent this toxicity and preclinical studies in dogs did not show evidence of cardiomyopathy after repeated dosing. Still, patients enrolled on this study were monitored closely, with serial MUGA scans to measure cardiac function. No patients experienced a significant drop in ejection fraction, all patients retained an ejection fraction over 50% and no patients developed clinical symptoms of congestive heart failure even in subjects whose cumulative doxorubicin dose exceeded 300 mg/m². While our experience is reassuring, cardiac function will be closely monitored as experience with this agent increases.

Another theoretical risk was a potential damage to the pituitary. Pituitary gonadotrophs express LHRH receptors[6] and preclinical studies did demonstrate selective damage to these cells manifested by decreased hormone secretion in animals treated with AEZS-108.[22] In the case of advanced PC, however, the possible decrease in LH and FSH secretion would result in decreased testosterone synthesis, an additive and desirable consequence in men with PC. The pituitary has other functions, including secretion of thyrotropin (thyroid stimulating hormone, TSH) and corticotropin (adrenocorticotropic hormone, ACTH) but the cells responsible for these functions do not express LHRH receptors and should not be damaged by AEZS-108. To be certain that there was no unexpected pituitary toxicity, thyroid function was monitored by regular thyroid function blood tests. No significant changes in TSH or thyroid hormone levels were detected through the course of this study. Similarly, the ACTH axis was monitored with scheduled cosyntropin stimulation assays[25] and again, no abnormalities were detected in this study.

There was also a potential concern regarding cessation of therapy with LHRH agonists. It is currently standard to continue LHRH agonist therapy indefinitely, though the benefits of this practice are not entirely clear. In a retrospective study of 205 patients enrolled in 5 clinical trials conducted by SWOG, 33 patients who did not undergo surgical castration received therapy for
CRPC. Of these 33, 26 did not continue exogenous hormonal therapy and there was no difference in survival between these men and those treated with orchiectomy.[26] We felt that it was necessary to discontinue LHRH agonist use in our study, to avoid potential competition with AEZS-108 for tumoral LHRH receptors, and that this did not pose undue risk to study subjects. In fact, we hypothesized that the effect of AEZS-108 on pituitary gonadotrophs may serve as an effective substitute for these agents in this clinical setting. Indeed, the median testosterone level during therapy was 12 ng/dL, well below castrate levels (supplementary Table 1). Four of the patients only had one testosterone value measured. Of the remaining 14 patients, 3 had a decrease in testosterone, 7 had no change in testosterone and 4 had an increase in testosterone during therapy.

AEZS-108 showed signs of clinical activity, with 3 of the 18 evaluable patients experiencing a PSA PR by PSA Working Group Criteria and another 10 patients achieving PSA SD. In this heavily pretreated group of patients, this signal of activity is promising and efficacy will be further elucidated by the ongoing phase II portion of this study. We also demonstrated the feasibility of CTC capture using a slot filter. The structure of doxorubicin allows auto-fluorescence and we theorized that internalization of AEZS-108 could thus be visualized in captured CTCs following infusion. Our findings show that this is feasible and this study will be further developed in the phase II study to correlate the presence and degree of internalization with response. Previous groups have shown the change in CTC number reflected prognosis with a given therapy.[27] We did not quantify CTCs in this phase I study, instead exploring their potential as a real-time pharmacodynamic biomarker with predictive value, though the absence of serial quantification is a limitation and will be done as part of the phase II study.

In summary, AEZS-108 is a tolerable agent with activity in men with taxane- and castration-resistant PC. The DLT consists of persistent neutropenia, which may warrant use of
prophylactic colony stimulating factors. The MTD and recommended dose for further study in this patient population is 210 mg/m² given intravenously every 3 weeks. CTCs captured on a microfilter demonstrate internalization of AEZS-108, a phenomenon that will be evaluated for predictive value. A single arm, phase II study in men with refractory PC is ongoing. The efficacy of this agent in other tumors bearing LHRH receptors warrants exploration and a phase III trial in recurrent endometrial cancer and a phase II trial in advanced bladder cancer are ongoing.

Acknowledgements

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2) Please modify the reference section in accordance with the journal style. Please note, there are no periods after initials, no commas between initials and last name. The year should be written before the journal volume. The page numbers are abbreviated and reference titles are not to be italicized. Also, CCR uses the first 6 authors and then "et al."
References


**Figure Legends**

**Figure 1.** Waterfall plot of maximal PSA response (n=18).

**Figure 2.** Waterfall plot of best RECIST version 1.1 response (n=10).

**Figure 3.** Progression free survival and overall survival curves. Kaplan-Meier survival curves for PFS in green and OS in blue (n=18).

**Figure 4.** Co-localization of AEZS-108 with PSA in CTCs. CTCs were collected onto a microfilter by a filtration device from 7.5 ml of patient blood and immunostained for PSA (b, f, j) or CD45 (*not shown*). Autofluorescent AEZS-108 in CTCs (green) was visualized in a fluorescent microscope at an excitation wave length of 488 nm. The autofluorescent AEZS-108 was found in CTCs collected between 1-3 hours (e) and 24 hours (*i*) after AEZS-108 infusion and co-localized with PSA (red, h, l) but not with CD45 (*not shown*).
FIGURE 1.

Maximal PSA Changes Any Time During Treatment (N=18)

Dose Level 1 (N=3)
Dose Level 2 (N=8)
Dose Level 3 (N=7)
FIGURE 4.

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Table 1

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<td>Total Eligible Patients</td>
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<td>210 mg/m²</td>
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Table 1. Patient Demographics and Clinical Characteristics
Table 2

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<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Metabolic</td>
<td>Anorexia</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

Table 2. Grade 3 and 4 adverse events by dose level. Toxicities defined as not related to treatment were excluded.
Table 3

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>No.</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Treatment Cycles Received</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&lt; 6 cycles</td>
<td>12</td>
<td>67%</td>
</tr>
<tr>
<td>&gt; 6 cycles</td>
<td>6</td>
<td>33%</td>
</tr>
<tr>
<td>Median (range)</td>
<td>4 (1, 8)</td>
<td></td>
</tr>
<tr>
<td>Best PSA Response</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PR</td>
<td>3</td>
<td>17%</td>
</tr>
<tr>
<td>SD</td>
<td>10</td>
<td>56%</td>
</tr>
<tr>
<td>PD</td>
<td>5</td>
<td>28%</td>
</tr>
<tr>
<td>Overall survival (months)</td>
<td>8.9 (95% CI: 5.8, 30.6+)</td>
<td></td>
</tr>
<tr>
<td>Progression Free Survival (months)</td>
<td>3.2 (95% CI: 2.5, 5.9)</td>
<td></td>
</tr>
</tbody>
</table>

Table 3. Summary of Responses
Phase I, Dose-Escalation Study of the Targeted Cytotoxic LHRH Analog AEZS-108 in Patients with Castration- and Taxane-Resistant Prostate Cancer

Stephen V. Liu, Denice D. Tsao-Wei, Shigang Xiong, et al.

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