HIGHLIGHTS OF PRESCRIBING INFORMATION These highlights do not include all the information needed to useAZACITIDINE FOR INJECTION safely and effectively. See full prescribing information forAZACITIDINE FOR INJECTION. AZACITIDINE for injection, for subcutaneous or intravenous use Initial U.S. Approval: 2004 ···· RECENT MAJOR CHANGES ····· Dosage and Administration (2.1) 5/2022 Warnings and Precautions (5.1, 5.6) 5/2022 INDICATIONS AND USAGE Azacitidine for injection is a nucleoside metabolic inhibitor indicated for the treatmentof: Adult patients with the following FAB myelodysplastic syndrome (MDS) subtypes: Refractory anemia (RA) or refractory anemia with ringed sideroblasts (RARS) (if accompanied by neutropenia or thrombocytopenia or requiring transfusions), refractory anemia with excess blasts (RAEB), refractory anemia with excess blasts in transformation (RAEB-T), and chronic myelomonocytic leukemia (CMMoL). (1.1)DOSAGE AND ADMINISTRATION • Do not substitute azacitidine for injection for oral azacitidine. The indications and dosing regimen for azacitidine for injection differ from that of oral azacitidine (2.1, 5.1). MDS: The recommended starting dosage for the first treatment cycle, for all patients regardless of baseline hematology values, is Azacitidine for injection75 mg/m² daily for 7 days to be administered by subcutaneous injection or intravenous infusion. See full prescribing information for schedule for subsequent cycles. Premedicate for nausea and vomiting (2.2). Continue treatment as long as the patient continues to benefit(2.3). Monitor all patients for hematologic response and for renal toxicity; delay or reduce dosage as appropriate (2.3, 2.6, 2.7). ------ DOSAGE FORMS AND STRENGTHS ------• Lyophilized powder in 100 mg single-dose vials (3). CONTRAINDICATIONS Advanced Malignant Hepatic Tumors (4.1). Hypersensitivity to Azacitidine or Mannitol (4.2). WARNINGS AND PRECAUTIONS • Risks of Substitution with Other Azacitidine Products: Do not substitute azacitidine for injection for oral azacitidine (2.1, 5.1). Anemia, Neutropenia and Thrombocytopenia: Monitor complete blood counts (CBC) frequently (5.2). • Hepatotoxicity: Patients with severe preexisting hepatic impairment are at higher risk for toxicity (5.3). • Renal Toxicity: Monitor patients with renal impairment for toxicity since azacitidine and its metabolites are primarily excreted by the kidneys (5.4). Tumor Lysis Syndrome: Azacitidine for injection may cause fatal or serious tumor lysis syndrome, including in patients with MDS. Assess baseline risk and monitor and treat as appropriate (5.5). Embryo-Fetal Toxicity: Azacitidine for injection can cause fetal harm. Advise female patients and male patients with female partners of reproductive potential of the potential risk to a fetus and to use effective contraception (5.6). ADVERSE REACTIONS Most common adverse reactions (>30%) in adult patients with MDS by subcutaneous route are: nausea, anemia, thrombocytopenia, vomiting, pyrexia, leukopenia, diarrhea, injection site erythema, constipation, neutropenia and ecchymosis. Most common adverse reactions by intravenous route also included petechiae, rigors, weakness and hypokalemia (6.1). To report SUSPECTED ADVERSE REACTIONS, contact Dr. REDDY'S LABORATORIES Inc., at 1-888-375-3784or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch • Lactation: Advise not to breastfeed (8.2). Pediatric use information is approved for Celgene Corporation's Vidaza (azacitidine for injection). However, due to Celgene Corporation's marketing exclusivity rights, this drug product is not labeled with that information. See 17 for PATIENT COUNSELING INFORMATION. Revised: 10/2022

FULL PRESCRIBING INFORMATION: CONTENTS* 1 INDICATIONS AND USAGE

- 1.1 Myelodysplastic Syndromes (MDS)
- 2 DOSAGE AND ADMINISTRATION
- 2.1 Important Administration Information
- 2.2 First Treatment Cycle for Adults

- 2.3 Subsequent Treatment Cycles for Adults
- 2.5 Dosage Adjustment Based on Hematology Laboratory Values
- 2.6 Dosage Adjustment Based on Serum Electrolytes and Renal Toxicity
- 2.7 Use in Geriatric Patients
- 2.8 Preparation of Azacitidine For Injection
- 2.9 Instructions for Subcutaneous Administration
- 2.5 Instructions for Intravenous Administration
- **3 DOSAGE FORMS AND STRENGTHS**

4 CONTRAINDICATIONS

- 4.1 Advanced Malignant Hepatic Tumors
- 4.2 Hypersensitivity to Azacitidine or Mannitol
- **5 WARNINGS AND PRECAUTIONS**
 - 5.1 Risks of Substitution with Other Azacitidine Products
 - 5.2 Anemia, Neutropenia and Thrombocytopenia
 - 5.3 Hepatotoxicity in Patients with Severe Pre-
 - existing Hepatic Impairment
 - 5.4 Renal Toxicity
 - 5.5 Tumor Lysis Syndrome
 - 5.6 Embryo-Fetal Toxicity

6 ADVERSE REACTIONS

- 6.1 Clinical Trials Experience
- 6.2 Postmarketing Experience

8 USE IN SPECIFIC POPULATIONS

- 8.1 Pregnancy
- 8.2 Lactation
- 8.3 Females and Males of Reproductive Potential
- 8.4 Pediatric Use
- 8.5 Geriatric Use
- **10 OVERDOSAGE**

11 DESCRIPTION

- **12 CLINICAL PHARMACOLOGY**
 - 12.1 Mechanism of Action
 - 12.3 Pharmacokinetics
- **13 NONCLINICAL TOXICOLOGY**
- 13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility
- **14 CLINICAL STUDIES**
- 14.1 Myelodysplastic Syndromes (MDS)
- **15 REFERENCES**
- **16 HOW SUPPLIED/STORAGE AND HANDLING**
- 17 PATIENT COUNSELING INFORMATION
- * Sections or subsections omitted from the full prescribing information are not listed.

FULL PRESCRIBING INFORMATION

1 INDICATIONS AND USAGE

1.1 Myelodysplastic Syndromes (MDS)

Azacitidine for injection is indicated for treatment of adult patients with the following French-American-

British (FAB) myelodysplastic syndrome subtypes: refractory anemia (RA) or refractory anemia with ringed sideroblasts (if accompanied by neutropenia or thrombocytopenia or requiring

transfusions), refractory anemia with excess blasts (RAEB), refractory anemia with excess blasts in transformation (RAEB-T), and chronic myelomonocytic leukemia (CMMoL).

Pediatric use information is approved for Celgene Corporation's Vidaza (azacitidine for injection). However, due to Celgene Corporation's marketing exclusivity rights, this drug product is not labeled with that information.

2 DOSAGE AND ADMINISTRATION

2.1 Important Administration Information

Do not substitute azacitidine for injection for oral azacitidine. The indications and dosing regimen for azacitidine for injection differ from that of oral azacitidine [see Warnings and Precautions (5.1)]

2.2 First Treatment Cycle for Adults

The recommended starting dose for the first treatment cycle, for all patients regardless of

baseline hematology laboratory values, is 75 mg/m² subcutaneously or intravenously, daily for 7 days. Premedicate patients for nausea and vomiting.

Obtain complete blood counts, liver chemistries and serum creatinine prior to the first dose.

2.3 Subsequent Treatment Cycles for Adults

Repeat cycles every 4 weeks. The dose may be increased to 100 mg/m² if no beneficial effect is

seen after 2 treatment cycles and if no toxicity other than nausea and vomiting has occurred. It is recommended that patients be treated for a minimum of 4 to 6 cycles. However, complete or partial response may require additional treatment

cycles. Treatment may be continued as long as the patient continues to benefit.

Monitor patients for hematologic response and renal toxicities [see Warnings and Precautions (5.4)], and delay or reduce dosage if necessary [see Dosage and Administration (2.6)].

Pediatric use information is approved for Celgene Corporation's Vidaza (azacitidine for injection). However, due to Celgene Corporation's marketing exclusivity rights, this drug product is not labeled with that information.

2.5 Dosage Adjustment Based on Hematology Laboratory Values

- For adult patients with baseline (start of treatment) WBC greater than or equal to 3 $\times 10^9/\text{L},$ ANC greater

than or equal to 1.5×10^9 /L, and platelets greater than or equal to 75×10^9 /L, adjust the dose as follows, based on nadir counts for any given cycle:

Nadir Counts		% Dose in the Next Course
ANC $(x10^{9}/L)$ Less than 0.5 0.5 -1.5 Greater than 1.5	Platelets (x10 ⁹ /L) Less than 25 25-50 Greater than 50	50% 67% 100%

• For adult patients whose baseline counts are WBC

less than 3 x10⁹/L, ANC less than 1.5 x10⁹/L, or platelets less than 75 x10⁹/L, base dose adjustments on nadir counts and bone marrow biopsy cellularity at the time of the nadir as noted below, unless there is clear

improvement in differentiation (percentage of mature granulocytes is higher and ANC is higher than at onset of that course) at the time of the next cycle, in which case continue the current dose.

WBC or Platelet Nadir% Bone MarrowBiopsy Cellularity at Timeof Nadir				
decrease in countsfrom base	line 30-60	15-30	Less than 15	
50 - 75	% Dose i	n theNext C	ourse	
Greater than 75	100	50	33	
Gleater than 75	75	50	33	

If a nadir as defined in the table above has occurred, give the next course 28 days after the start of the preceding course, provided that both the WBC and the platelet counts are greater than 25% above the nadir and rising. If a greater than 25% increase above the nadir is not seen by day 28, reassess counts every 7 days. If a 25% increase is not seen by day 42, reduce the scheduled dose by 50%.

Pediatric use information is approved for Celgene Corporation's Vidaza (azacitidine for injection). However, due to Celgene Corporation's marketing exclusivity rights, this drug product is not labeled with that information.

2.6 Dosage Adjustment Based on Serum Electrolytes and Renal Toxicity

If unexplained reductions in serum bicarbonate levels to less than 20 mEq/L occur, reduce the dosage by 50% for the next course. Similarly, if unexplained elevations of BUN or serumcreatinine occur, delay the next cycle until values return to normal or baseline and reduce the dose by 50% for the next course [see Warnings and Precautions (5.4)].

2.7 Use in Geriatric Patients

Azacitidine and its metabolites are known to be substantially excreted by the kidney, and the risk of toxic reactions to this drug may be greater in patients with impaired renal function. Because elderly patients are more likely to have decreased renal function,

select the dose carefully and monitor renal function [see Warnings and Precautions (5.4) and Use in Specific Populations (8.5)].

2.8 Preparation of Azacitidine For Injection

Azacitidine for injection is a hazardous drug. Follow applicable special handling and disposal procedures. ¹

The azacitidine for injection vial is single-dose and does not contain any preservatives. Discard unused portions of each vial properly[see How Supplied/Storage and Handling (16)]. Do not save any unused portions for later administration.

2.9 Instructions for Subcutaneous Administration

Reconstitute azacitidine for injection aseptically with 4 mL Sterile Water for Injection, USP to obtain a

concentration of 25 mg/mL. Inject the diluent slowly into the vial. Vigorously shake or roll the vial until a uniform suspension is achieved. The suspension will be cloudy. Do not filter the suspension after reconstitution. Doing so could remove the active substance.

Preparation for Immediate Subcutaneous Administration:

For doses requiring more than 1 vial, divide the dose equally between the syringes (e.g., dose 150 mg = 6 mL, 2 syringes with 3 mL in each syringe) and inject into two separate sites. Due to retention in the vial and needle, it

may not be feasible to withdraw all of the suspension from the vial. The product may be held at room temperature for up to 1 hour, but must be administered within 1 hour after reconstitution.

Preparation for Delayed Subcutaneous Administration:

The reconstituted product may be kept in the vial or drawn into a syringe. For doses requiring more than 1 vial, divide the dose equally between the syringes (e.g., dose 150 mg = 6 mL, 2 syringes with 3 mL in each syringe) and inject into two separate sites. Due to retention in the vial and needle, it may not be feasible to withdraw all of the suspension from the vial. The product must be refrigerated immediately. See Table 2 for suspension stability storage timelines based on the temperature of the diluent for delayed subcutaneous administration. After removal from refrigerated conditions, the suspension may be allowed to equilibrate to room temperature for up to 30 minutes prior to administration. Subcutaneous AdministrationTo provide a homogeneous suspension, the contents of the syringe must be re-suspended by inverting the syringe 2-3 times and vigorously rolling the syringe between the palms for 30 seconds immediately prior to administration. Azacitidine for injection suspension is administered subcutaneously. Rotate sites for each injection (thigh, abdomen, or upper arm). New injections should be given at least one inch from an old site and never into areas where the site is tender, bruised, red, or hard.

Table 2 Suspension Stability:

Storage timelines based on the temperature of the diluent for suspension stability storage:

Suspension Stability Storagetimelines

Diluent	Storage Temperature/Duration
Room temperature (25°C / 77°F Sterile Water for Injection, USP	Store at room temperature at 25°C (77°F) for up to 1 hour or refrigerated at 2°C to 8°C (36°F to 46°F) for up to 8 hours.
Cold (2°C to 8°C / 36°F to 46°F) Sterile Water for Injection, USP	Store refrigerated at 2°C to 8°C(36°F to 46°F)for up to 22 hours.

2.5 Instructions for Intravenous Administration

Parenteral drug product should be inspected visually for particulate matter and discoloration

prior to administration, whenever solution and container permit. Do not use the product if there is evidence of particulate matter or discoloration.

Adult Patients with MDS

Reconstitute the appropriate number of azacitidine for injection vials to achieve the desired dose. Reconstitute each vial with 10 mL Sterile Water for Injection, USP. Vigorously shake or roll the vial until all solids are dissolved. The resulting solution will contain azacitidine 10 mg/mL. The solution should be clear.

Withdraw the required amount of azacitidine for injection solution to deliver the desired dose and inject into a 50 -100 mL infusion bag of either 0.9% Sodium Chloride Injection, USP or Lactated Ringer's Injection, USP.

Intravenous Solution Incompatibility

Azacitidine for

injection is incompatible with 5% Dextrose Injection, USP solutions, Hespan, or solutions that contain bicarbonate. These solutions have the potential to increase the rate of degradation of azacitidine for injection and should therefore be avoided.

Intravenous Administration

Azacitidine for injection solution is administered intravenously. Administer the total dose over a period of 10 -

40 minutes. The administration must be completed within 1 hour of reconstitution of the azacitidine for injection vial.

Solution Stability:

Azacitidine for injection reconstituted and diluted for intravenous administration may be stored at 25°C (77°F), but administration must be completed within 1 hour of reconstitution.

Pediatric use information is approved for Celgene Corporation's Vidaza (azacitidine for injection). However, due to Celgene Corporation's marketing exclusivity rights, this drug product is not labeled with that information.

3 DOSAGE FORMS AND STRENGTHS

Azacitidine for injection is supplied as lyophilized powder in 100 mg single-dose vials

4 CONTRAINDICATIONS

4.1 Advanced Malignant Hepatic Tumors

Azacitidine for

injection is contraindicated in patients with advanced malignant hepatic tumors [see Warnings and Precautions (5.3)].

4.2 Hypersensitivity to Azacitidine or Mannitol

Azacitidine for injection is contraindicated in patients with a known hypersensitivity to azacitidine or mannitol.

5 WARNINGS AND PRECAUTIONS

5.1 Risks of Substitution with Other Azacitidine Products

Due to substantial differences in the pharmacokinetic parameters [see Clinical Pharmacology (12.3)], the recommended dose and schedule for azacitidine for injection are different from those of oral azacitidine products. Treatment of patients using azacitidine for injection at the recommended dosage of oral azacitidine may result in a fatal adverse reaction. Treatment of patients using oral azacitidine at the doses recommended for azacitidine for injection may not be effective.

Do not substitute azacitidine for

injection for oral azacitidine [see Dosage and Administration (2.1)].

5.2 Anemia, Neutropenia and Thrombocytopenia

Azacitidine for injection causes anemia, neutropenia and thrombocytopenia in adult patients with MDS.

Monitor complete blood counts frequently for response and/or toxicity, at a minimum, prior to each dosing cycle.

In adult patients with MDS, after administration of the recommended dosage for the first cycle, adjust dosage for subsequent cycles based on nadir counts and hematologic response [see Dosage and Administration (2.5)].

Pediatric use information is approved for Celgene Corporation's Vidaza (azacitidine for injection). However, due to Celgene Corporation's marketing exclusivity rights, this drug product is not labeled with that information.

5.3 Hepatotoxicity in Patients with Severe Pre-existing Hepatic Impairment

Because azacitidine is potentially hepatotoxic in patients with severe pre-existing hepatic impairment, caution is needed in patients with liver disease. Patients with extensive tumor

burden due to metastatic disease have been reported to experience progressive hepatic coma and death during azacitidine treatment, especially in such patients with baseline albumin <30 g/L. Azacitidine is contraindicated in patients with advanced malignant hepatic tumors [see Contraindications (4.1)]. Monitor liver chemistries prior to initiation of therapy and with each cycle.

Safety and effectiveness of azacitidine for

injection in patients with MDS and hepatic impairment have not been studied as these patients were excluded from the clinical trials.

Pediatric use information is approved for Celgene Corporation's Vidaza (azacitidine for injection). However, due to Celgene Corporation's marketing exclusivity rights, this drug product is not labeled with that information.

5.4 Renal Toxicity

Renal toxicity ranging from elevated serum creatinine to renal failure and death have been reported in patients treated with intravenous azacitidine in combination with other chemotherapeutic agents for non-MDS conditions. In addition, renal tubular acidosis, defined as a fall in serum bicarbonate to <20 mEq/L in association with an alkaline urine and hypokalemia (serum potassium <3 mEq/L) developed in 5 patients with CML treated with azacitidine and etoposide. Monitor serum creatinine and electrolytes prior to initiation of therapy and with each

cycle. If unexplained reductions in serum bicarbonate <20 mEq/L or elevations of BUN or serum creatinine occur, reduce or hold the dose [see Dosage and Administration (2.6)].

Patients with renal impairment may be at increased risk for renal toxicity. Also, azacitidine and its metabolites are primarily excreted by the kidney. Therefore, monitor these patients closelyfor toxicity [see Dosage and Administration (2.6, 2.7)]. Patients with MDS and renal impairment were excluded from the clinical studies.

Pediatric use information is approved for Celgene Corporation's Vidaza (azacitidine for injection). However, due to Celgene Corporation's marketing exclusivity rights, this drug product is not labeled with that information.

5.5 Tumor Lysis Syndrome

Azacitidine for injection may cause fatal or serious tumor lysis syndrome, including in patients with MDS.

Tumor lysis syndrome may occur despite concomitant use of allopurinol. Assess baseline risk and monitor and treat as appropriate.

5.6 Embryo-Fetal Toxicity

Based on the mechanism of action and findings in animals, azacitidine for injection can cause fetal harm when administered to a pregnant woman. Azacitidine administered to pregnant rats via a single intraperitoneal (IP) dose approximating 8% of the recommended human daily dose caused fetal death and anomalies.

Advise pregnant women of the potential risk to a fetus. Advise females of reproductive potential to use effective contraception during treatment with azacitidine for injection and for 6 months after the last dose. Advise males with female partners of reproductive potential to use effective contraception during treatment with azacitidine for injection and for 3 months after the last dose [see Use in Specific Populations (8.1, 8.3)].

6 ADVERSE REACTIONS

The following adverse reactions are described in other labelingsections:

- Anemia, Neutropenia and Thrombocytopenia [see Warnings and Precautions (5.2)]
- Hepatotoxicity in Patients with Severe Pre-existing Hepatic Impairment [see Warnings and Precautions (5.3)]
- Renal Toxicity[see Warnings and Precautions (5.4)]
- Tumor Lysis Syndrome [see Warnings and Precautions (5.5)]

6.1 Clinical TrialsExperience

ecause clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in practice.

MDSThe data described below reflect exposure to azacitidine for injection in 443 patients with MDS from 4 clinical studies. Study 1 was a supportive-care controlled trial (subcutaneous administration), Studies 2 and 3 were single arm studies (one with subcutaneous administration and one with intravenous administration), and Study 4 was an international randomized trial (subcutaneous administration) [see Clinical Studies (14.1)].

In Studies 1, 2 and 3, a total of 268 patients were exposed to azacitidine for injection,

including 116 exposed for 6 cycles (approximately 6 months) or more and 60 exposed for greater than 12 cycles (approximately one year). Azacitidine for injection was studied primarily in supportive-care controlled and uncontrolled trials (n=150 and n=118, respectively). The population in the subcutaneous studies (n=220) was 23 to 92 years old (mean 66.4 years), 68% male, and 94% white, and had MDS or

AML. The population in the intravenous study (n=48) was 35 to 81 years old (mean 63.1 years), 65% male, and 100% white. Most patients received average daily doses between 50 and 100 mg/m².

In Study 4, a total of 175 patients with higher-risk MDS (primarily RAEB and RAEB-T subtypes) were exposed to azacitidine for injection. Of these patients, 119 were exposed for 6 or more cycles, and 63 for at least 12 cycles. The mean age of this population was 68.1 years (ranging from 42

to 83 years), 74% were male, and 99% were white. Most patients received daily azacitidine for injection doses of 75 mg/m².

Most Commonly Occurring Adverse Reactions (Subcutaneous or Intravenous Route) in Adult

Patients with MDS: nausea, anemia, thrombocytopenia, vomiting, pyrexia, leukopenia, diarrhea, injection site erythema, constipation, neutropenia, ecchymosis. The most common adverse reactions by intravenous route also included petechiae, rigors, weakness and hypokalemia.

Adverse Reactions Most Frequently (>2%) Resulting in Clinical Intervention (Subcutaneous or Intravenous Route) in Adult Patients with

MDS:Discontinuation: leukopenia, thrombocytopenia, neutropenia.

Dose Held: leukopenia, neutropenia, thrombocytopenia, pyrexia, pneumonia, febrile neutropenia. Dose Reduced: leukopenia, neutropenia, thrombocytopenia.

Table 3 presents adverse reactions occurring in at least 5% of patients treated with azacitidine for injection (subcutaneous) in Studies 1 and 2. It is important to note that duration of exposure was longer for the azacitidine for injection-treated group than for the observation group: patients received azacitidine for injection for a mean of 11.4 months while mean time in the observation arm was 6.1 months.

Table 3: Most Frequently Observed Adverse Reactions (≥ 5.0% in All SC Azacitidine for Injection Treated Patients; Studies 1 and 2)

	Number (%) of Patients	
System Organ Class Preferred Term ^a	All Azacitidine for Injection ^b (N=220)	Observation ^c (N=92)
Blood and lymphatic system disorders	5	
Anemia	153 (70)	59 (64)
Anemia aggravated	12 (6)	5 (5)
Febrile neutropenia	36 (16)	4 (4)
Leukopenia	106 (48)	27 (29)
Neutropenia	71 (32)	10 (11)
Thrombocytopenia	144 (66)	42 (46)
Gastrointestinal disorders		
Abdominal tenderness	26 (12)	1(1)
Constipation	74 (34)	6 (7)
Diarrhea	80 (36)	13 (14)
Gingival bleeding	21 (10)	4 (4)
Loose stools	12 (6)	0
Mouth hemorrhage	11 (5)	1(1)
Nausea	155 (71)	16 (17)
Stomatitis	17 (8)	0
Vomiting	119 (54)	5 (5)
General disorders and administration site conditions		
Chest pain	36 (16)	5 (5)
Injection site bruising	31 (14)	0
Injection site erythema	77 (35)	0
Injection site granuloma	11 (5)	0
Injection site pain	50 (23)	0
Injection site pigmentation changes	11 (5)	0

Injection site pruritus 15 (7) 0 Injection site reaction 30 (14) 0 Injection site swelling 11 (5) 0 Lethargy 17 (8) 2 (2) Malaise 24 (11) 1 (1) Pyrexia 114 (52) 28 (30) Infections and infestations			
Injection site swelling 11 (5) 0 Lethargy 17 (8) 2 (2) Malaise 24 (11) 1 (1) Pyrexia 114 (52) 28 (30) Infections and infestations Nasopharyngitis 32 (15) 3 (3) Pneumonia 24 (11) 5 (5) Upper respiratory tract infection 28 (13) 4 (4) Injury, poisoning, and procedural complications Post procedural hemorrhage 13 (6) 1 (1) Metabolism and nutrition disorders Anorexia 45 (21) 6 (7) Musculoskeletal and connective tissue disorders Arthralgia 49 (22) 3 (3) Chest wall pain 11 (5) 0 Myalgia 35 (16) 2 (2) Dizziness 41 (19) 5 (5) <t< td=""><td>Injection site pruritus</td><td>15 (7)</td><td>0</td></t<>	Injection site pruritus	15 (7)	0
Lethargy 17 (8) 2 (2) Malaise 24 (11) 1 (1) Pyrexia 114 (52) 28 (30) Infections and infestations	Injection site reaction	30 (14)	0
Malaise 24 (11) 1 (1) Pyrexia 114 (52) 28 (30) Infections and infestations 3 (3) Nasopharyngitis 32 (15) 3 (3) Pneumonia 24 (11) 5 (5) Upper respiratory tract infection 28 (13) 4 (4) Injury, poisoning, and procedural complications Post procedural hemorrhage 13 (6) 1 (1) Metabolism and nutrition disorders Anorexia 45 (21) 6 (7) Anorexia 45 (21) 6 (7) Musculoskeletal and connective tissue disorders Arthraigia 49 (22) 3 (3) Chest wall pain 11 (5) 0 Myalgia 35 (16) 2 (2) Nervous system disorders Dizziness 41 (19) 5 (5) Headache 48 (22) 10 (11) Psychiatric disorders Dizziness 41 (19) 5 (5) Anxiety 29 (13) 3 (3) Insomnia 24 (11) 4 (4) Respiratory, thoracic and mediastinal disorders Dizzines To (11) Skin and subcutaneous tissue disorders Di (11) D		11 (5)	· · · · · · · · · · · · · · · · · · ·
Pyrexia 114 (52) 28 (30) Infections and infestations	Lethargy	17 (8)	2 (2)
Infections and infestationsNasopharyngitis32 (15)3 (3)Pneumonia24 (11)5 (5)Upper respiratory tract infection28 (13)4 (4)Injury, poisoning, and procedural complications28 (13)4 (4)Post procedural hemorrhage13 (6)1 (1)Metabolism and nutrition disordersAnorexia45 (21)6 (7)Anorexia45 (21)6 (7)Musculoskeletal and connective tissue disorders3 (3)Arthralgia49 (22)3 (3)Chest wall pain11 (5)0Myagia35 (16)2 (2)Nervous system disorders20 (13)3 (3)Dizziness41 (19)5 (5)Headache48 (22)10 (11)Psychiatric disordersInsomnia24 (11)4 (4)Respiratory, thoracic and mediastinal disordersDyspnea64 (29)11 (12)Skin and subcutaneous tissue disorders11 (5)1 (1)Dry skin11 (5)1 (1)14 (15)Erythema37 (17)4 (4)Rash31 (14)9 (10)Skin nodule11 (5)1 (1)Urticaria13 (6)1 (1)Vascular disordersIn (1)In (1)In (1)In (1)Vascular disordersIn (1)In (1)In (1)Hematoma19 (9)00Hypotension15 (7)2 (2)	Malaise	24 (11)	1(1)
Nasopharyngitis 32 (15) 3 (3) Pneumonia 24 (11) 5 (5) Upper respiratory tract infection 28 (13) 4 (4) Injury, poisoning, and procedural complications 28 (13) 4 (4) Post procedural hemorrhage 13 (6) 1 (1) Metabolism and nutrition disorders Anorexia 45 (21) 6 (7) Ansculoskeletal and connective tissue disorders 3 (3) C Arthralgia 49 (22) 3 (3) C Chest wall pain 11 (5) 0 0 Myalgia 35 (16) 2 (2) Nervous system disorders 0 (11) Psychiatric disorders Uperivative disorders 0 (11) Psychiatric disorders Jusciness 41 (19) 5 (5) Headache 48 (22) 10 (11) Psychiatric disorders Uperivative disorders Uperivative disorders Uperivative disorders Dyspnea 64 (29) 11 (12) Skin and subcutaneous tissue disorders Uperivative disorders Dry skin 11 (5) 1 (1) 1 (1) Ecchymosis	Pyrexia	114 (52)	28 (30)
Pneumonia 24 (11) 5 (5) Upper respiratory tract infection 28 (13) 4 (4) Injury, poisoning, and procedural complications 28 (13) 4 (4) Post procedural hemorrhage 13 (6) 1 (1) Metabolism and nutrition disorders Anorexia 45 (21) 6 (7) Ansculoskeletal and connective tissue disorders 45 (21) 6 (7) Arthralgia 49 (22) 3 (3) Chest wall pain 11 (5) 0 Myalgia 35 (16) 2 (2) Nervous system disorders Dizziness 41 (19) 5 (5) Headache 48 (22) 10 (11) Psychiatric disorders Anxiety 29 (13) 3 (3) Insomnia 24 (11) 4 (4) Respiratory, thoracic and mediastinal disorders Dyspnea 64 (29) 11 (12) Skin and subcutaneous tissue disorders Dyspnea 67 (31) 14 (15) Erythema 37 (17) 4 (4) Rash 31 (14) 9 (10) Skin nodule 11 (5) 1 (1) 10	Infections and infestations		
Upper respiratory tract infection 28 (13) 4 (4) Injury, poisoning, and procedural complications	Nasopharyngitis	32 (15)	3 (3)
Injury, poisoning, and procedural complicationsPost procedural hemorrhage13 (6)1 (1)Metabolism and nutrition disorders13 (6)1 (1)Anorexia45 (21)6 (7)Anorexia45 (21)6 (7)Musculoskeletal and connective tissue disorders3 (3)Arthralgia49 (22)3 (3)Chest wall pain11 (5)0Myalgia35 (16)2 (2)Nervous system disorders20Dizziness41 (19)5 (5)Headache48 (22)10 (11)Psychiatric disorders29 (13)3 (3)Insomnia24 (11)4 (4)Respiratory, thoracic and mediastinal disorders0Dyspnea64 (29)11 (12)Skin and subcutaneous tissue disorders0Dry skin11 (5)1 (1)Ecchymosis67 (31)14 (15)Erythema37 (17)4 (4)Rash31 (14)9 (10)Skin nodule11 (5)1 (1)Urticaria13 (6)1 (1)Vascular disorders11 (5)1 (1)Hematoma19 (9)0Hypotension15 (7)2 (2)	Pneumonia	24 (11)	5 (5)
complications Post procedural hemorrhage 13 (6) 1 (1) Metabolism and nutrition disorders Anorexia 45 (21) 6 (7) Anorexia 45 (21) 6 (7) Musculoskeletal and connective tissue disorders Arthralgia 49 (22) 3 (3) Chest wall pain 11 (5) 0 Myalgia 35 (16) 2 (2) Nervous system disorders 2 (2) Nervous system disorders Dizziness 41 (19) 5 (5) Headache 48 (22) 10 (11) Psychiatric disorders Nariety 29 (13) 3 (3) Insomnia 24 (11) 4 (4) Respiratory, thoracic and mediastinal disorders Unit (12) Skin and subcutaneous tissue disorders Unit (12) Dyspnea 64 (29) 11 (12) Skin and subcutaneous tissue disorders Unit (12) Skin and subcutaneous tissue disorders Unit (15) 1 (1) (14) (14) Rash 31 (14) 9 (10) Skin nodule 11 (5) 1 (1) Urticaria 13 (6) 1 (1) Unit (15) 1 (1) <td>Upper respiratory tract infection</td> <td>28 (13)</td> <td>4 (4)</td>	Upper respiratory tract infection	28 (13)	4 (4)
Metabolism and nutrition disorders Anorexia 45 (21) 6 (7) Musculoskeletal and connective tissue disorders 6 (7) Arthralgia 49 (22) 3 (3) Chest wall pain 11 (5) 0 Myalgia 35 (16) 2 (2) Nervous system disorders 2 2 Dizziness 41 (19) 5 (5) Headache 48 (22) 10 (11) Psychiatric disorders 3 (3) Anxiety 29 (13) 3 (3) Insomnia 24 (11) 4 (4) Respiratory, thoracic and mediastinal disorders 44 (29) 11 (12) Skin and subcutaneous tissue disorders 5 11 (12) Skin and subcutaneous tissue disorders 5 11 (12) Skin nodule 11 (5) 1 (1) Erythema 37 (17) 4 (4) Rash 31 (14) 9 (10) Skin nodule 11 (5) 1 (1) Urticaria 13 (6) 1 (1) Vaccular disorders $13 (6)$	Injury, poisoning, and procedural complications		
Anorexia 45 (21) 6 (7) Musculoskeletal and connective tissue disorders 49 (22) 3 (3) Arthralgia 49 (22) 3 (3) Chest wall pain 11 (5) 0 Myalgia 35 (16) 2 (2) Nervous system disorders 2 20 Dizziness 41 (19) 5 (5) Headache 48 (22) 10 (11) Psychiatric disorders 3 (3) Insomnia 24 (11) 4 (4) Respiratory, thoracic and mediastinal disorders 5 (20) 11 (12) Skin and subcutaneous tissue disorders 5 1 (1) Dyspnea 64 (29) 11 (12) Skin and subcutaneous tissue disorders 5 1 (1) Dry skin 11 (5) 1 (1) Ecchymosis 67 (31) 14 (15) Erythema 37 (17) 4 (4) Rash 31 (14) 9 (10) Skin nodule 11 (5) 1 (1) Urticaria 13 (6) 1 (1) Vascular disorders 11 (1) 11 (1) Hematoma 19 (9) <td< td=""><td>Post procedural hemorrhage</td><td>13 (6)</td><td>1 (1)</td></td<>	Post procedural hemorrhage	13 (6)	1 (1)
Musculoskeletal and connective tissue disorders Arthralgia 49 (22) 3 (3) Chest wall pain 11 (5) 0 Myalgia 35 (16) 2 (2) Nervous system disorders 2 2 Dizziness 41 (19) 5 (5) Headache 48 (22) 10 (11) Psychiatric disorders 3 (3) Insomnia 29 (13) 3 (3) Insomnia 24 (11) 4 (4) Respiratory, thoracic and mediastinal disorders 3 3 Dyspnea 64 (29) 11 (12) Skin and subcutaneous tissue disorders 2 11 (1) Ecchymosis 67 (31) 14 (15) Erythema 37 (17) 4 (4) Rash 31 (14) 9 (10) Skin nodule 11 (5) 1 (1) Urticaria 13 (6) 1 (1) Vascular disorders 2 2	Metabolism and nutrition disorders	6	
disordersArthralgia49 (22)3 (3)Chest wall pain11 (5)0Myalgia35 (16)2 (2)Nervous system disordersDizziness41 (19)5 (5)Headache48 (22)10 (11)Psychiatric disordersAnxiety29 (13)3 (3)Insomnia24 (11)4 (4)Respiratory, thoracic and mediastinal disordersDyspnea64 (29)11 (12)Skin and subcutaneous tissue disordersDry skin11 (5)1 (1)Ecchymosis67 (31)14 (15)Erythema37 (17)4 (4)Rash31 (14)9 (10)Skin nodule11 (5)1 (1)Urticaria13 (6)1 (1)Vascular disordersUHematoma19 (9)0Hypotension15 (7)2 (2)	Anorexia	45 (21)	6 (7)
Arthralgia 49 (22) 3 (3) Chest wall pain 11 (5) 0 Myalgia 35 (16) 2 (2) Nervous system disorders Dizziness 41 (19) 5 (5) Headache 48 (22) 10 (11) Psychiatric disorders Anxiety 29 (13) 3 (3) Insomnia 24 (11) 4 (4) Respiratory, thoracic and mediastinal disorders Dyspnea 64 (29) 11 (12) Skin and subcutaneous tissue disorders Dry skin 11 (5) 1 (1) Ecchymosis 67 (31) 14 (15) Erythema 37 (17) 4 (4) Rash 31 (14) 9 (10) Skin nodule 11 (5) 1 (1) Urticaria 13 (6) 1 (1) Vascular disorders Hematoma 19 (9) 0 Hypotension 15 (7) 2 (2)	Musculoskeletal and connective tis	sue	
Chest wall pain 11 (5) 0 Myalgia 35 (16) 2 (2) Nervous system disorders Dizziness 41 (19) 5 (5) Headache 48 (22) 10 (11) Psychiatric disorders Anxiety 29 (13) 3 (3) Insomnia 24 (11) 4 (4) Respiratory, thoracic and mediastinal disorders Dyspnea 64 (29) 11 (12) Skin and subcutaneous tissue disorders Dry skin 11 (5) 1 (1) Ecchymosis 67 (31) 14 (15) Erythema 37 (17) 4 (4) Rash 31 (14) 9 (10) Skin nodule 11 (5) 1 (1) Urticaria 13 (6) 1 (1) Vascular disorders Hematoma 19 (9) 0 Hypotension 15 (7) 2 (2)	disorders		
Myalgia 35 (16) 2 (2) Nervous system disorders Dizziness 41 (19) 5 (5) Headache 48 (22) 10 (11) Psychiatric disorders	Arthralgia	49 (22)	3 (3)
Nervous system disorders 1 1 Dizziness 41 (19) 5 (5) Headache 48 (22) 10 (11) Psychiatric disorders	Chest wall pain	11 (5)	0
Dizziness 41 (19) 5 (5) Headache 48 (22) 10 (11) Psychiatric disorders	Myalgia	35 (16)	2 (2)
Headache 48 (22) 10 (11) Psychiatric disorders 29 (13) 3 (3) Insomnia 24 (11) 4 (4) Respiratory, thoracic and mediastinal disorders 24 (11) 4 (4) Dyspnea 64 (29) 11 (12) Skin and subcutaneous tissue disorders 2000 11 (12) Dry skin 11 (5) 1 (1) Ecchymosis 67 (31) 14 (15) Erythema 37 (17) 4 (4) Rash 31 (14) 9 (10) Skin nodule 11 (5) 1 (1) Urticaria 13 (6) 1 (1) Vascular disorders 11 (5) 1 (2) Hematoma 19 (9) 0 Hypotension 15 (7) 2 (2)	Nervous system disorders		
Psychiatric disorders Anxiety 29 (13) 3 (3) Insomnia 24 (11) 4 (4) Respiratory, thoracic and mediastinal disorders Dyspnea 64 (29) 11 (12) Skin and subcutaneous tissue disorders Dry skin 11 (5) 1 (1) Ecchymosis 67 (31) 14 (15) Erythema 37 (17) 4 (4) Rash 31 (14) 9 (10) Skin nodule 11 (5) 1 (1) Urciaria 13 (6) 1 (1) Vascular disorders Hematoma 19 (9) 0 Hypotension 15 (7) 2 (2)	Dizziness	41 (19)	5 (5)
Anxiety 29 (13) 3 (3) Insomnia 24 (11) 4 (4) Respiratory, thoracic and mediastinal disorders Dyspnea 64 (29) 11 (12) Skin and subcutaneous tissue disorders Dry skin 11 (5) 1 (1) Ecchymosis 67 (31) 14 (15) Erythema 37 (17) 4 (4) Rash 31 (14) 9 (10) Skin nodule 11 (5) 1 (1) Urticaria 13 (6) 1 (1) Vascular disorders Hematoma 19 (9) 0 Hypotension 15 (7) 2 (2)	Headache	48 (22)	10 (11)
Insomnia 24 (11) 4 (4) Respiratory, thoracic and mediastinal disorders Dyspnea 64 (29) 11 (12) Skin and subcutaneous tissue disorders Dry skin 11 (5) 1 (1) Ecchymosis 67 (31) 14 (15) Erythema 37 (17) 4 (4) Rash 31 (14) 9 (10) Skin nodule 11 (5) 1 (1) Urticaria 13 (6) 1 (1) Vascular disorders Hematoma 19 (9) 0 Hypotension 15 (7) 2 (2)	Psychiatric disorders		
Respiratory, thoracic and mediastinal disorders 11 Dyspnea 64 (29) 11 (12) Skin and subcutaneous tissue disorders 11 (5) 1 (1) Dry skin 11 (5) 1 (1) Ecchymosis 67 (31) 14 (15) Erythema 37 (17) 4 (4) Rash 31 (14) 9 (10) Skin nodule 11 (5) 1 (1) Urticaria 13 (6) 1 (1) Vascular disorders 19 (9) 0 Hypotension 15 (7) 2 (2)	Anxiety	29 (13)	3 (3)
disorders Dyspnea 64 (29) 11 (12) Skin and subcutaneous tissue disorders Dry skin 11 (5) 1 (1) Ecchymosis 67 (31) 14 (15) Erythema 37 (17) 4 (4) Rash 31 (14) 9 (10) Skin nodule 11 (5) 1 (1) Urticaria 13 (6) 1 (1) Vascular disorders Hematoma 19 (9) 0 Hypotension 15 (7) 2 (2)	Insomnia	24 (11)	4 (4)
Skin and subcutaneous tissue disorders Dry skin 11 (5) 1 (1) Ecchymosis 67 (31) 14 (15) Erythema 37 (17) 4 (4) Rash 31 (14) 9 (10) Skin nodule 11 (5) 1 (1) Urticaria 13 (6) 1 (1) Vascular disorders 19 (9) 0 Hematoma 19 (7) 2 (2)		nal	
Dry skin 11 (5) 1 (1) Ecchymosis 67 (31) 14 (15) Erythema 37 (17) 4 (4) Rash 31 (14) 9 (10) Skin nodule 11 (5) 1 (1) Urticaria 13 (6) 1 (1) Vascular disorders 19 (9) 0 Hypotension 15 (7) 2 (2)	Dyspnea	64 (29)	11 (12)
Ecchymosis 67 (31) 14 (15) Erythema 37 (17) 4 (4) Rash 31 (14) 9 (10) Skin nodule 11 (5) 1 (1) Urticaria 13 (6) 1 (1) Vascular disorders 19 (9) 0 Hematoma 19 (7) 2 (2)	Skin and subcutaneous tissue diso	rders	
Erythema 37 (17) 4 (4) Rash 31 (14) 9 (10) Skin nodule 11 (5) 1 (1) Urticaria 13 (6) 1 (1) Vascular disorders 19 (9) 0 Hypotension 15 (7) 2 (2)	Dry skin	11 (5)	1 (1)
Rash 31 (14) 9 (10) Skin nodule 11 (5) 1 (1) Urticaria 13 (6) 1 (1) Vascular disorders 19 (9) 0 Hypotension 15 (7) 2 (2)	Ecchymosis	67 (31)	14 (15)
Skin nodule 11 (5) 1 (1) Urticaria 13 (6) 1 (1) Vascular disorders 1 1 Hematoma 19 (9) 0 Hypotension 15 (7) 2 (2)	Erythema	37 (17)	4 (4)
Urticaria 13 (6) 1 (1) Vascular disorders 19 (9) 0 Hematoma 19 (7) 2 (2)	Rash	31 (14)	9 (10)
Vascular disorders Hematoma 19 (9) 0 Hypotension 15 (7) 2 (2)	Skin nodule	11 (5)	1 (1)
Hematoma 19 (9) 0 Hypotension 15 (7) 2 (2)	Urticaria	13 (6)	1 (1)
Hypotension 15 (7) 2 (2)	Vascular disorders		
	Hematoma	19 (9)	0
	Hypotension	15 (7)	2 (2)
	Petechiae	52 (24)	

^a Multiple terms of the same preferred terms for a patient are only counted once within each treatment group.

^b Includes adverse reactions from all patients exposed to azacitidine for injection, including patients after crossing over from observations.

^c Includes adverse reactions from observation period only; excludes any adverse events after crossover to azacitidine for injection.

Table 4 presents adverse reactions occurring in at least 5% of patients treated with azacitidine for injection in Study 4. Similar to Studies 1 and 2 described above, duration of exposure to treatment with azacitidine for injection was longer (mean 12.2 months) compared with best supportive care (mean 7.5 months).

Table 4: Most Frequently Observed Adverse Reactions (≥ 5% in the Azacitidine For Injection Treated Patients and the Percentage with NCI CTC Grade 3/4 Reactions; Study 4)

	Number (%) of Patients	-	
	Any Grade		Grade 3/4
System Organ Class Preferred Term ^a	Azacitidine For Injection(N=175)		Azacitidine For Best SupportiveCare Injection(N=175)Only(N=102)
Blood and lymphatic system			

disorders				
Anemia	90 (51)	45 (44)	24 (14)	9 (9)
Febrile	24 (14)	10 (10)	22 (13)	7 (7)
neutropenia				
_eukopenia	32 (18)	2 (2)	26 (15)	1 (1)
Neutropenia	115 (66)	29 (28)	107 (61)	22 (22)
Thrombocytopenia		35 (34)	102 (58)	29 (28)
Gastrointestinal disorders				
Abdominal pain	22 (13)	7 (7)	7 (4)	0
Constipation	88 (50)	8 (8)	2 (1)	0
Dyspepsia	10 (6)	2 (2)	0	0
Vausea	84 (48)	12 (12)	3 (2)	0
/omiting	47 (27)	7 (7)	0	0
General				
disorders and				
administration				
site conditions	42 (24)	10 (10)	C (2)	2 (2)
Fatigue	42 (24)	12 (12)	6 (3)	2 (2)
njection site oruising	9 (5)	0	0	0
Injection site erythema	75 (43)	0	0	0
Injection site	11 (6)	0	0	0
hematoma	11 (6)	0	0	0
Injection site induration	9 (5)	0	0	0
Injection site pain	33 (19)	0	0	0
njection site rash	10 (6)	0	0	0
Injection site	51 (29)	0	1(1)	0
reaction		10 (10)		
Pyrexia Infections and	53 (30)	18 (18)	8 (5)	1 (1)
infestations				
Rhinitis	10 (6)	1 (1)	0	0
Upper respiratory	16 (9)	4 (4)	3 (2)	0
tract infection Urinary tract				
infection	15 (9)	3 (3)	3 (2)	0
Investigations				
Weight decreased	14 (8)	0	1 (1)	0
Metabolism and nutrition disorders				
Hypokalemia	11 (6)	3 (3)	3 (2)	3 (3)
Nervous system disorders	I			
Lethargy	13 (7)	2 (2)	0	1 (1)
Psychiatric		× /		× /
disorders				
Anxiety	9 (5)	1 (1)	0	0
Insomnia	15 (9)	3 (3)	0	0
Renal and urinary disorders				
Hematuria	11 (6)	2 (2)	4 (2)	1 (1)
Respiratory, thoracic and mediastinal disorders				
Dyspnea	26 (15)	5 (5)	6 (3)	2 (2)
Dyspnea	9 (5)	1 (1)	0	0
exertional Pharyngolaryngeal pain				
pairi	11 (6)	3 (3)	0	0
Skin and subcutaneous				

tissue disorde	ers				
Erythema	13 (7)	3 (3)	0	0	
Petechiae	20 (11)	4 (4)	2 (1)	0	
Pruritus	21 (12)	2 (2)	0	0	
Rash	18 (10)	1(1)	0	0	
Vascular disorders					
Hypertension	15 (9)	4 (4)	2 (1)	2 (2)	

a Multiple reports of the same preferred term from a patient were only counted once within each treatment.

In Studies 1, 2 and 4 with subcutaneous administration of azacitidine for injection, adverse reactions of

neutropenia, thrombocytopenia, anemia, nausea, vomiting, diarrhea, constipation, and injection site erythema/reaction tended to increase in incidence with higher doses of azacitidine for injection. Adverse reactions that tended to be more pronounced during the first 1 to 2 cycles of subcutaneous

treatment compared with later cycles included thrombocytopenia, neutropenia, anemia, nausea, vomiting, injection site erythema/pain/bruising/reaction, constipation, petechiae, dizziness, anxiety, hypokalemia, and insomnia. There did not appear to be any adverse reactions that increased in frequency over the course of treatment.

Overall, adverse reactions were qualitatively similar between the intravenous and subcutaneous

studies. Adverse reactions that appeared to be specifically associated with the intravenous route of administration included infusion site reactions (e.g. erythema or pain) and catheter site reactions (e.g. infection, erythema, or hemorrhage).

In clinical studies of either subcutaneous or intravenous azacitidine for injection, the following serious adverse reactions occurring at a rate of <5% (and not described in Tables 2 or 3) were reported:

Blood and lymphatic system disorders: agranulocytosis, bone marrow failure, pancytopenia splenomegaly.

Cardiac disorders: atrial fibrillation, cardiac failure, cardiac failure congestive, cardiorespiratory arrest, congestive cardiomyopathy.

Eye disorders: eye hemorrhage

Gastrointestinal disorders: diverticulitis, gastrointestinal hemorrhage, melena, perirectal abscess.

General disorders and administration site conditions: catheter site hemorrhage, general physical health deterioration, systemic inflammatory response syndrome.

Hepatobiliary disorders: cholecystitis.

Immune system disorders: anaphylactic shock, hypersensitivity.

Infections and infestations: abscess limb, bacterial infection, cellulitis, blastomycosis, injection site infection, Klebsiella sepsis, neutropenic sepsis, pharyngitis streptococcal, pneumonia Klebsiella, sepsis, septic shock, Staphylococcal bacteremia, Staphylococcal infection, toxoplasmosis.

Metabolism and nutrition disorders: dehydration.

Musculoskeletal and connective tissue disorders: bone pain aggravated, muscle weakness, neck pain.

Neoplasms benign, malignant and unspecified: leukemia cutis.

Nervous system disorders: cerebral hemorrhage, convulsions, intracranial hemorrhage.

Renal and urinary disorders: loin pain, renal failure.

Respiratory, thoracic and mediastinal disorders: hemoptysis, lung infiltration, pneumonitis, respiratory distress.

Skin and subcutaneous tissue disorders: pyoderma gangrenosum, rash pruritic, skin induration.

Surgical and medical procedures: cholecystectomy.

Vascular disorders: orthostatic hypotension.

Pediatric use information is approved for Celgene Corporation's Vidaza (azacitidine for injection). However, due to Celgene Corporation's marketing exclusivity rights, this drug product is not labeled with that information.

6.2 Postmarketing Experience

The following adverse reactions have been identified during postmarketing use of azacitdine for injection. Because these reactions are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to drug exposure.

- Interstitial lung disease
- Tumor lysis syndrome
- Injection site necrosis
- Sweet's syndrome (acute febrile neutrophilic dermatosis)
- Necrotizing fasciitis (including fatal cases)
- Differentiation syndrome

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

Risk Summary

Based on its mechanism of action and findings in animals, azacitidine for injection can cause fetal harm when

administered to a pregnant woman [see Clinical Pharmacology (12.1)]. There are no data on the use of azacitidine in pregnant women. Azacitidine was teratogenic and caused embryo-fetal

lethality in animals at doses lower than the recommended human daily dose (see Data). Advise pregnant women of the potential risk to the fetus.

The background rate of major birth defects and miscarriage is unknown for the indicated population. All pregnancies have a background risk of birth defect, loss, or other adverse

outcomes. In the U.S. general population, the estimated background risk of major birth defects and miscarriage in clinically recognized pregnancies is 2%-4% and 15%-20%, respectively.

Data

Animal Data

Early embryotoxicity studies in mice revealed a 44% frequency of intrauterine embryonal death

(increased resorption) after a single IP (intraperitoneal) injection of 6 mg/m² (approximately 8% of the recommended human daily dose on a mg/m² basis) azacitidine on gestation day 10.Developmental abnormalities in the brain have been detected in mice given azacitidine on or before gestation day 15 at doses of ~3-12 mg/m² (approximately 4%-16% the recommended human daily dose on a mg/m² basis).

In rats, azacitidine was clearly embryotoxic when given IP on gestation days 4-8 (postimplantation) at a dose of 6 mg/m² (approximately 8% of the recommended human daily dose on a mg/m² basis), although treatment in the preimplantation period (on gestation days 1-3) had no adverse effect on the embryos. Azacitidine caused multiple fetal abnormalities in rats after a single IP dose of 3 to 12 mg/m² (approximately 8% the recommended human daily dose on a mg/m² basis) given on gestation day 9, 10, 11 or 12. In this study azacitidine caused fetal death when administered at 3-12 mg/m² on gestation days 9 and 10; average live animals per litter was reduced to 9% of control at the highest dose on gestation day 9. Fetal anomalies included: CNS anomalies (exencephaly/encephalocele), limb anomalies (micromelia, club foot, syndactyly, oligodactyly), and others (micrognathia, gastroschisis, edema, and rib abnormalities).

8.2 Lactation

Risk Summary

There is no information regarding the presence of azacitidine in human milk, the effects of azacitidine for injection on the breastfed infant, or the effects of azacitidine for injection on milk production. Because many drugs are excreted in human milk and because of the potential for tumorigenicity shown for azacitidine in animal studies [see Nonclinical Toxicology (13.1)] and the potential for serious adverse reactions in nursing infants from azacitidine for injection, advise patients not to breastfeed during treatment with azacitidine for injection and for 1 week after the last dose

8.3 Females and Males of Reproductive Potential

Based on its mechanism of action and findings in animals, azacitidine for injection can cause fetal harm when administered to a pregnant woman [see Use in Specific Populations (8.1)].

Verify the pregnancy status of females of reproductive potential prior to initiating azacitidine for injection.

Contraception

Females

Advise pregnant women of the potential risk to a fetus. Advise females of reproductive potential to use effective contraception during treatment with azacitidine for injection and for 6 months after the last dose.

Males

Advise males with female partners of reproductive potential to use effective contraception during treatment with azacitidine for injection and for 3 months after the last dose.

Infertility

Based on animal data, azacitidine could have an effect on male or female fertility[see Nonclinical Toxicology (13.1)].

8.4 Pediatric Use

Safety and effectiveness of azacitidine for injection in pediatric patients with MDS have not been established.

Pediatric use information is approved for Celgene Corporation's Vidaza (azacitidine for injection). However, due to Celgene Corporation's marketing exclusivity rights, this drug product is not labeled with that information.

8.5 Geriatric Use

Of the total number of patients in Studies 1, 2 and 3, 62% were 65 years and older and 21% were 75 years and older. No overall differences in effectiveness were observed between these patients and younger patients. In addition, there were no relevant differences in the frequency of adverse reactions observed in patients 65 years and older compared to younger patients.

Of the 179 patients randomized to azacitidine in Study 4, 68% were 65 years and older and 21% were 75 years and older. Survival data for patients 65 years and older were consistent with overall survival results. The majority of adverse reactions occurred at similar frequencies in patients <65 years of age and patients 65 years of age and older.

Elderly patients are more likely to have decreased renal function. Monitor renal function in these patients [see Dosage and Administration (2.7) and Warnings and Precautions (5.4)].

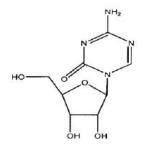
10 OVERDOSAGE

One case of overdose with azacitidine for injection was reported during clinical trials. A patient experienced diarrhea, nausea, and vomiting after receiving a single intravenous dose of approximately 290 mg/m², almost 4 times the recommended starting dose. The events resolved without sequelae, and the correct dose was resumed the following day. In the event of overdosage, the patient

should be monitored with appropriate blood counts and should receive supportive treatment, as necessary. There is no known specific antidote for azacitidine for injection overdosage.

11 DESCRIPTION

Azacitidine for injection contains azacitidine, which is a nucleoside metabolic inhibitor. Azacitidine is 4-amino-1- β -D-ribofuranosyl-1,3,5-triazin-2(1H)-one. The structural formula is as follows:



sparingly soluble in water and insoluble in acetone and ethanol.

The finished product is supplied in a sterile form for reconstitution as a suspension for subcutaneous injection or reconstitution as a solution with further dilution for intravenous infusion. Vials of azacitidine for injection contain 100 mg of azacitidine and 100 mg mannitol as a sterile lyophilized powder.

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

Azacitidine for injection is a pyrimidine nucleoside analog of cytidine. Azacitidine for injection is believed to exert its antineoplastic effects by causing hypomethylation of DNA and direct cytotoxicity on abnormal

hematopoietic cells in the bone marrow. The concentration of azacitidine required for maximum inhibition of DNA methylation in vitro does not cause major suppression of DNA synthesis.

Hypomethylation may restore normal function to genes that are critical for differentiation and proliferation. The cytotoxic effects of azacitidine cause the death of rapidly dividing cells, including cancer cells that are no longer responsive to normal growth control mechanisms.Non-proliferating cells are relatively insensitive to azacitidine.

12.3 Pharmacokinetics

The pharmacokinetics of azacitidine were studied in 6 adult patients with MDS following a single 75 mg/m² subcutaneous dose and a single 75 mg/m² intravenous dose.

Absorption

Azacitidine is rapidly absorbed after subcutaneous administration; the peak plasma azacitidine concentration of 750 \pm 403 ng/ml occurred in 0.5 hour after subcutaneous administration.

Distribution

The bioavailability of subcutaneous azacitidine relative to intravenous azacitidine is approximately 89%, based on area under the curve. Mean volume of distribution following intravenous dosing is 76 \pm 26 L. Mean apparent subcutaneous clearance is 167 \pm 49 L/hour and mean half-life after subcutaneous administration is 41 \pm 8 minutes. The AUC and Cmax of subcutaneous administration of azacitidine in 21 patients with cancer were approximately dose proportional within the 25 to 100 mg/m² dose range. Multiple dosing at the recommended dose-

proportional within the 25 to 100 mg/m² dose range. Multiple dosing at the recommended doseregimen does not result in drug accumulation with intravenous or subcutaneous administration.

Elimination

MetabolismAn in vitro study of azacitidine incubation in human liver fractions indicated that azacitidine is not metabolized by the cytochrome P450 (CYP) enzymes. Azacitidine undergoes spontaneous hydrolysis and deamination mediated by cytidine deaminase.

Excretion

Published studies indicate that urinary excretion is the primary route of elimination of azacitidine and its metabolites. Following intravenous administration of radioactive azacitidine to 5 cancer patients, the cumulative urinary excretion was 85% of the radioactive dose. Fecal excretion accounted for <1% of administered radioactivity over 3 days. Mean excretion of radioactivity in urine following subcutaneous administration of ¹⁴C-azacitidine was 50%. The mean elimination half-lives of total radioactivity (azacitidine and its metabolites) were similar after intravenous and subcutaneous administrations, about 4 hours.

SpecificPopulations

The effects of hepatic impairment, gender, or race/ethnicity on the pharmacokinetics of intravenous and subcutaneous azacitidine have not been studied.

Pediatric Patients

Pediatric use information is approved for Celgene Corporation's Vidaza (azacitidine for injection). However, due to Celgene Corporation's marketing exclusivity rights, this drug product is not labeled with that information.

Patients with Renal Impairment

In adult patients with cancer, the pharmacokinetics of azacitidine in 6 patients with normal renal function (CLcr >80 mL/min) and 6 patients with severe renal impairment (CLcr <30 mL/min) were compared following daily subcutaneous dosing (Days 1 through 5) at 75 mg/m²/day.Severe renal impairment increased azacitidine exposure by approximately 70% after single and 41% after multiple subcutaneous administrations. This increase in exposure was not correlated

with an increase in adverse events. The exposure was similar to exposure in patients with normal renal function receiving 100 mg/m².

Drug-Drug Interactions

No formal clinical drug interaction studies with azacitidine have been conducted. In vitro Studies

Cytochrome P450 (CYP) Enzymes:An in vitro study at azacitidine concentrations up to 100 μ M (IV Cmax = 10.6 μ M) in human liver microsomes indicated that azacitidine does not cause any inhibition of CYP isoforms CYP1A2, CYP2B6, CYP2C8, CYP2C9, CYP2C19, CYP2D6, CYP3A4, or CYP2E1 at clinically achievable concentrations.

In vitro studies with human cultured hepatocytes indicate that azacitidine at concentrations of 1.0 μ M to 100 μ M does not induce CYP 1A2, 2C19, or 3A4/5.

Transporter Systems: An in vitro study with LLC-PK1 cells expressing P-glycoprotein (P-gp) indicated that azacitidine is not a substrate or inhibitor of P-gp.

Azacitidine does not inhibit, breast cancer resistance protein (BCRP), organic anion transporters (OAT) OAT1 and OAT3, organic anion transporting polypeptides (OATP) OATP1B1 and OATP1B3, or organic cation transporter (OCT) OCT2 at clinically relevant concentrations.

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

The potential carcinogenicity of azacitidine was evaluated in mice and rats. Azacitidine induced tumors of the hematopoietic system in female mice at 2.2 mg/kg (6.6 mg/m², approximately 8% the recommended human daily dose on a mg/m² basis) administered IP three times per week for 52 weeks. An increased incidence of tumors in the lymphoreticular system, lung, mammary gland, and skin was seen in mice treated with azacitidine IP at 2.0 mg/kg (6.0 mg/m², approximately 8% the recommended human daily dose on a mg/m² basis) once a week for

50 weeks. A tumorigenicity study in rats dosed twice weekly at 15 or 60 mg/m² (approximately 20%-80% the recommended human daily dose on a mg/m² basis) revealed an increased incidence of testicular tumors compared with controls.

The mutagenic and clastogenic potential of azacitidine was tested in in vitro bacterial systems Salmonella typhimurium strains TA100 and several strains of trpE8, Escherichia coli strains

WP14 Pro, WP3103P, WP3104P, and CC103; in in vitro forward gene mutation assay in mouse lymphoma cells and human lymphoblast cells; and in an in vitro micronucleus assay in mouse L5178Y lymphoma cells and Syrian hamster embryo cells. Azacitidine was mutagenic in bacterial and mammalian cell systems. The clastogenic effect of azacitidine was shown by the induction of micronuclei in L5178Y mouse cells and Syrian hamster embryo cells.

Administration of azacitidine to male mice at 9.9 $\mbox{mg/m}^2$ (approximately 9% the recommended

human daily dose on a mg/m² basis) daily for 3 days prior to mating with untreated female mice resulted in decreased fertility and loss of offspring during subsequent embryonic and postnatal development. Treatment of male rats 3 times per week for 11 or 16 weeks at doses of 15-30 mg/m² (approximately 20%-40%, the recommended human daily dose on a mg/m² basis) resulted in decreased weight of the testes and epididymides, and decreased sperm counts

accompanied by decreased pregnancy rates and increased loss of embryos in mated females. In a related study, male rats treated for 16 weeks at 24 mg/m² resulted in an increase in abnormal embryos in mated females when examined on day 2 of gestation.

14 CLINICAL STUDIES

14.1 Myelodysplastic Syndromes (MDS)

Study 1 was a randomized, open-label, controlled trial carried out in 53 U.S. sites compared the safety and efficacy of subcutaneous azacitidine for injection plus supportive care with supportive care alone ("observation") in adult patients with any of the five FAB subtypes of myelodysplastic syndromes (MDS): refractory anemia (RA), RA with ringed sideroblasts (RARS), RA with excess blasts (RAEB), RAEB in transformation (RAEB-T), and chronic myelomonocytic leukemia (CMMoL). RA and RARS patients were included if they met one or more of the following criteria: required packed RBC transfusions; had platelet counts \Box 50.0 x 10⁹/L;

required platelet transfusions; or were neutropenic (ANC $<1.0 \times 10^9$ /L) with infections requiring treatment with antibiotics. Patients with acute myelogenous leukemia (AML) were not intended to be included.

Supportive care allowed in this study included blood transfusion

products, antibiotics, antiemetics, analgesics and antipyretics. The use of hematopoietic growth factors was prohibited. Baseline patient and disease characteristics are summarized in Table 6; the 2 groups were similar.

Azacitidine for

injection was administered at a subcutaneous dose of 75 mg/m² daily for 7 days every 4 weeks. The dose was increased to 100 mg/m² if no beneficial effect was seen after 2 treatment cycles. The dose was decreased and/or delayed based on hematologic response or evidence of renal toxicity. Patients in the observation arm were allowed by protocol to cross over to azacitidine for injection if they had increases in bone marrow blasts, decreases in hemoglobin, increases in red cell transfusion requirements, or decreases in platelets, or if they required a platelet transfusion or developed a clinical infection requiring treatment with antibiotics. For purposes of assessing efficacy, the primary endpoint was response rate (as defined in Table 7).

Of the 191 patients included in the study, independent review (adjudicated diagnosis) found that 19 had the diagnosis of AML at baseline. These patients were excluded from the primary analysis of response rate, although they were included in an intent-to-treat (ITT) analysis of all patients randomized. Approximately 55% of the patients randomized to observation crossed over to receive azacitidine for injection treatment.

Table 6. Baseline Demographics and Disease Characteristics

	Aazacitidine for Injection (N=99)	Observation (N=92)
Gender (n%)		
Male	72 (72.7)	60 (65.2)
Female	27 (27.3)	32 (34.8)
Race (n%)		
White	93 (93.9)	85 (92.4)
Black	1 (1.0)	1 (1.1)
Hispanic	3 (3.0)	5 (5.4)
Asian/Oriental	2 (2.0)	1 (1.1)
Age (years)		
Ν	99	91
Mean ± SD	67.3 ± 10.39	68 ± 10.23
Range	31 - 92	35 - 88
Adjudicated MDS diagnosis at study entry (n%)		
RA	21 (21.2)	18 (19.6)
RARS	6 (6.1)	5 (5.4)
RAEB	38 (38.4)	39 (42.4)
RAEB-T	16 (16.2)	14 (15.2)
CMMoL	8 (8.1)	7 (7.6)
AML	10 (10.1)	9 (9.8)
Transfusion product used in 3 months before study entry (n%)		
Any transfusion product	70 (70.7)	59 (64.1)
Blood cells, packed human	66 (66.7)	55 (59.8)
Platelets, human blood	15 (15.2)	12 (13.0)
Hetastarch	0(0)	1(1.1)
Plasma protein fraction	1(1.0)	0(0.0)
Other	2(2.0)	2(2.2)

Table 7. Response Criteria

		RA	RARS	RAEB	RAEB-T	CMMoL
CompleteResponse(CR)	Marrow	<5%	blasts			
duration ≥ 4 weeks	' Periphera	alNorm	nal CBC if	abnormal	at baseline	
	Blood	Abse	nce of bla	asts in the	e peripheral c	rculation
Partial Response (PR),					crease in bla	
duration ≥4 weeks	Marrow	requi	rements	Improven	nent of marr	ow
				dyspoiesis	5	
Peripheral ≥50% restoration in the deficit from normal						
	Blood				ells, hemog	obin and
platelets if abnormal at baseline No blasts in the peripheral circulation						
		For C	.MMOL, IT	WBC is el	evated at ba	seline, a

The overall response rate (CR + PR) of 15.7% in azacitidine for injection-treated patients without AML (16.2% for all azacitidine for injection randomized patients including AML) was statistically significantly

higher than the response rate of 0% in the observation group (p<0.0001) (Table 8). The majority of patients who achieved either CR or PR had either 2 or 3 cell line abnormalities at baseline (79%; 11/14) and had elevated bone marrow blasts or were transfusion dependent at baseline.

Patients responding to azacitidine for injection had a decrease in bone marrow blasts percentage, or an increase in platelets, hemoglobin or WBC. Greater than 90% of the responders initially demonstrated these changes by the 5th treatment cycle. All patients who had been transfusion dependent became transfusion independent during PR or CR. The mean and median duration of clinical response of PR or better was estimated as 512 and 330 days, respectively; 75% of the responding patients were still in PR or better at completion of treatment. Response occurred in all MDS subtypes as well as in patients with adjudicated baseline diagnosis of AML.

Table 8. Response Rates

	Azacitidine For InjectionO	bservation Before Cros	sover
	(N=89)	(N=83)	
Response	n (%)	n (%)	P value
Overall	14 (15.7)	0 (0)	(<0.0001)
(CR+PR)			
Complete (CR)	5 (5.6)	0 (0)	(0.06)
Partial (PR)	9 (10.1)	0 (0)	

Patients in the observation group who crossed over to receive azacitidine for injection treatment (47 patients) had a response rate of 12.8%.

Study 2, a multi-center, open-label, single-arm study of 72 patients with RAEB, RAEB-T, CMMoL, or AML was also carried out. Treatment with subcutaneous azacitidine for injection resulted in a

response rate (CR + PR) of 13.9%, using criteria similar to those described above. The mean and median duration of clinical response of PR or better was estimated as 810 and 430 days, respectively; 80% of the responding patients were still in PR or better at the time of completion of study involvement. In Study 3, another open-label, single-arm study of 48 patients with RAEB, RAEB-T, or AML, treatment with intravenous azacitidine for injection resulted in a response rate of 18.8%, again using criteria similar to those described above. The mean and median duration of clinical response of PR or better was estimated as 389 and 281 days, respectively; 67% of the responding patients were still in PR or better at the time of completion of treatment. Response occurred in all MDS subtypes as well as in patients with adjudicated baseline diagnosis of AML in both of these studies. Azacitidine for injection dosage regimens in these 2 studies were similar to the regimen used in the controlled study.

Benefit was seen in patients who did not meet the criteria for PR or better, but were considered "improved." About 24% of azacitidine for injection-treated patients were considered improved, and about 2/3 of those lost transfusion dependence. In the observation group, only 5/83 patients met criteria for improvement; none lost transfusion dependence. In all 3 studies, about 19% of patients met criteria for improvement with a median duration of 195 days.

Study 4 was an international, multicenter, open-label, randomized trial in patients with MDS with RAEB, RAEB-

T or modified CMMoL according to FAB classification and Intermediate-2 and High risk according to IPSS classification. Of the 358 patients enrolled in the study, 179 were randomized to receive azacitidine plus best supportive care (BSC) and 179 were randomized to receive conventional care regimens (CCR) plus BSC (105 to BSC alone, 49 to low dose cytarabine and 25 to chemotherapy with cytarabine and anthracycline). The primary efficacy endpoint was overall survival.

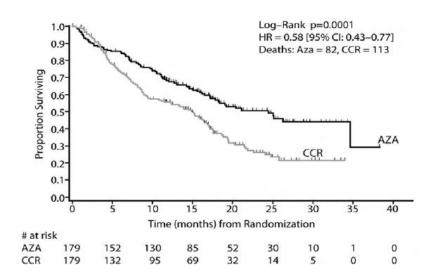
The azacitidine and CCR groups were comparable for baseline parameters. The median age of patients was 69 years (range was 38-88 years), 98% were Caucasian, and 70% were male. At baseline, 95% of the patients were higher risk by FAB classification: RAEB (58%), RAEB-T (34%), and CMMoL (3%). By IPSS classification, 87% were higher risk: Int-2 (41%), High (47%). At baseline, 32% of patients met WHO criteria for AML.

Azacitidine was administered subcutaneously at a dose of 75 mg/m² daily for 7 consecutive days every 28 days (which constituted one cycle of therapy). Patients continued treatment until disease progression, relapse after response, or unacceptable toxicity. Azacitidine patients were treated for a median of 9 cycles (range 1 to 39), BSC only patients for a median of 7 cycles (range 1 to 26), low dose cytarabine patients for a median of 4.5 cycles (range 1 to 15), and chemotherapy with cytarabine and anthracycline patients for a median of 1 cycle (range 1 to 3, i.e. induction plus 1 or 2 consolidation cycles).

In the Intent-to-Treat analysis, patients treated with azacitidine demonstrated a statistically

significant difference in overall survival as compared to patients treated with CCR (median survival of 24.5 months vs. 15.0 months; stratified log-rank p=0.0001). The hazard ratio describing this treatment effect was 0.58 (95% CI: 0.43, 0.77).

Kaplan-Meier Curve of Time to Death from Any Cause: (Intent-to-Treat Population)



Key: AZA = azacitidine; CCR = conventional care regimens; CI = confidence interval; HR = Hazard Ratio

Azacitidine treatment led to a reduced need for red

blood cell transfusions (see Table 8). In patients treated with azacitidine who were RBC transfusion dependent at baseline and became transfusion independent, the median duration of RBC transfusion independence was13.0 months.

Table 9. Effect of Azacitidine on RBC Transfusions in MDS Patients

Efficacy Parameter	Azacitidine plus BSC (n= 179)	Conventional CareRegimens (n= 179)
Number and percent of patientswho were transfusion dependent at baseline who became transfusion independent on treatment ¹	50/111 (45%)	13/114 (11.4%)
	(95% CI: 35.6%, 54.8%)	95% CI: 6.2%, 18.7%)
Number and percent of patients who were transfusion-independent	10/68 (14.7%)	28/65 (43.1%)
at baseline who became transfusion-dependent on treatment	(95% CI: 7.3%, 25.4%)	(95% CI: 30.9%, 56%)

¹A patient was considered RBC transfusion independent during the treatment period if the patient had no RBC transfusions during any 56 consecutive days or more during the treatment period. Otherwise, the patient was considered transfusion dependent.

Pediatric use information is approved for Celgene Corporation's Vidaza (azacitidine for injection). However, due to Celgene Corporation's marketing exclusivity rights, this drug product is not labeled with that information.

15 REFERENCES

 1. "OSHA Hazardous Drugs." OSHA. http://www.osha.gov/SLTC/hazardousdrugs/index.html

16 HOW SUPPLIED/STORAGE AND HANDLING

How Supplied

Azacitidine for injection is supplied as a lyophilized powder in 100 mg single-dose vials packaged in cartons of 1 vial (NDC 43598-305-62).

<u>Storage</u>

Store unreconstituted vials at 20° to 25°C (68° to 77°F); [See USP Controlled Room Temperature].

Handling and Disposal

Azacitidine for injection is a hazardous drug. Follow applicable special handling and disposal procedures.¹

17 PATIENT COUNSELING INFORMATION

Hepatotoxicity in Patients with Severe Pre-Existing Hepatic Impairment

Instruct patients to inform their physician about any underlying liver disease [see Warnings and Precautions (5.3)].

Renal Toxicity

Instruct patients to inform their physician about any underlying renal disease [see Warnings and Precautions (5.4)].

Embryo-Fetal Toxicity

Advise pregnant women of the potential risk to a fetus [see Warnings and Precautions (5.6) and Use in Specific Populations (8.1)].

Advise females of reproductive potential to use effective contraception during treatment with azacitidine for

injection and for 6 months after the last dose. Advise males with female partners of reproductive potential to use effective contraception during treatment with azacitidine for injection and for 3 months after the last dose. Advise patients to report known or suspected pregnancy to their physicians immediately [see Warnings and Precautions (5.6) and Use in Specific Populations (8.3)].

<u>Lactation</u>

Advise patients to avoid breastfeeding while receiving azacitidine for injection and for 1 week after the last dose [see Use in Specific Populations (8.2)].

Infertility

Advise males and females that azacitidine for injection may impair fertility [see Use in Specific Populations (8.3) and Nonclinical Toxicology (13.1)].

Rx only

Manufactured by:

Cipla Ltd, Verna - Salcette

Goa - 403722, INDIA

Manufactured for:

Dr. Reddy's Laboratories Limited

Bachupally - 500 090 INDIA

OR

Manufactured by:

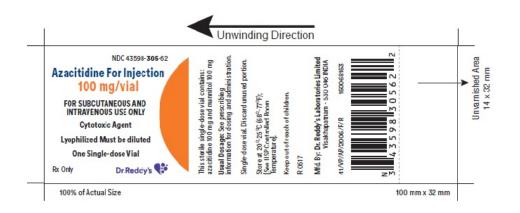
Dr. Reddy's Laboratories Limited

Visakhapatnam

Revised: 10/2022

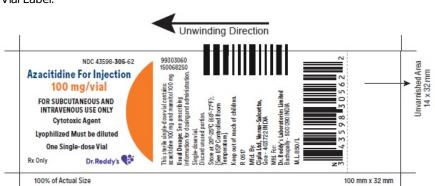
PACKAGE LABEL.PRINCIPAL DISPLAY PANEL SECTION

Vial Label

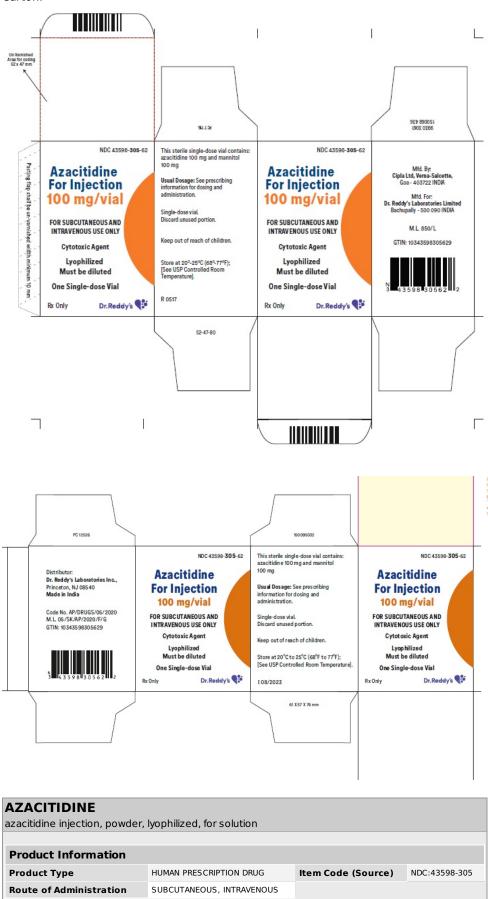


Unvarnished Area Consists of: 2D Barcode, Lot Number, Expiry Date and Serial Number Vial Carton





Unvarnished Area Consists of: 2D Barcode, Lot Number, Expiry Date and Serial Number Carton:



Active Ingredient/Active Moiety

		Ingredient Name	Ba	Basis of Strength				
Az	acitidine (UNII: M	1801H13NRU) (Azacitidine - UNII:M801H13NRU)	Azac	Azacitidine				
Inactive Ingredients								
		Ingredient Name	Strength					
mannitol (UNII: 30WL53L36A)								
Packaging								
#	ltem Code	Package Description	Marketin Dat		Marketing End Date			
1	NDC:43598-305- 62	1 in 1 CARTON; Type 0: Not a Combination Product	09/19/2013					
Marketing Information								
	Marketing Category	Application Number or Monograph Citation		ting Start ate	Marketing End Date			
AN	IDA	ANDA201537	09/19/201	3				

Labeler - Dr. Reddy's Laboratories Inc. (802315887)

Establishment							
Name	Address	ID/FEI	Business Operations				
Dr.Reddy's Laboratories Ltd-FTO 7		650446243	analysis(43598-305) , manufacture(43598-305)				
Establishment							

Establishment

Name	Address	ID/FEI	Business Operations
Cipla Ltd		650072015	analysis(43598-305) , manufacture(43598-305)

Establishment

Name	Address	ID/FEI	Business Operations
Dr.Reddy's Laboratories Ltd-FTO 11		675487682	analysis(43598-305) , manufacture(43598-305)

Revised: 10/2022

Dr. Reddy's Laboratories Inc.