

## Chemotherapy Protocol

Acute Myeloid Leukaemia

## AZACIIDINE (SC) - VENETOCIAX

## Regimen

AVL - Azacitidine (SC) - Venetodax

### Indication

Newly diagnosed acute myeloid leukaemia (AMI).

Patient has had is having molecular analysis performed

Patient has de novo AML or secondary AML

The most recent bone manowblast court shows more than 30% blasts.

Standard intensive chemotherapy is unsuitable due to age, fitness or the presence of significant complicities

Patient has been prospectively assessed for the risk of development of turnourly sis syndrome with venetoclax and that appropriate risk mitigation strategies have been put implace.



## **Moritaing**

Viral screening is required before starting treatment including Hepatitis B surface artigen, core artibody and HV status.

FBC, U8Es (including potassium, serumbicarborate, blood use a nitrogen, phosphate, LDH, creatinine, adjusted calcium and uric acid) and LFTs should be measured prior to starting therapy and pre-existing electrolyte abnormalities conected. There is a risk of tumor lysis syndrome (ILS) hence it is necessary to monitor potassium, uric acid, phosphate, adjusted calcium, LDH and creatinine at 6 to 8 hours and at 24 hours after the first dose and during each dose increase of venetoclax. Electrolyte abnormalities should be conected promptly. The next venetoclax dose should not be administered until the 24 hour blood chemistry results have been evaluated (see section on TLS below).

If known cardiovas cular or pulmonary disease patients should undergo a full cardiopulmonary assessment before and during treatment with azacitadine.

**Dose Modifications** 





### Dose Information

Azacitidine will be dose banded according to the national dose bands (25mg/ml).

Venetodaxis available as 10 ng 50 ng and 100 ng film coated tablets.

### **Administration Information**

Before administration the contents of the azacitidine syringe must be re-suspended by inverting the syringe 2 3 times and vigorously rolling the syringe between the palms for 30 seconds.

Azacitidne should be administered by subcutaneous injection into the upper arm, thigh or abdomen Injection sites should be rotated. New injections should be given



particularly instructed to dirk 1.5 to 2L of vater daily, 2 days prior to and the days of dosing at initiation and each subsequent dose increase. Intravenous fluids should be administered as indicated based on overall risk of TLS or for those who cannot maintain an adequate level of oral hydration

Hydrocortisone 1% creamapply to the injection site for the relief of inflammation up to four times a day, topical.

Serna 15 ng at night when required for the relief of constipation coal.

Acidovir 400 mg twice a day

## Antifurgal prophylaxis

- Posacorazole tablets 300 ng twice a day on D4, then 300 ng once a day thereafter
- Varioanazale tablets 400 mg twice a day on D4, then 200 mg twice a day thereafter

### **Additional Information**

The National Patient Safety Alert on oral chemotherapy (NPSA/2008/RRR001) must be followed in relation to venetoclas:

It must be made clear to all staff, including those in the community, that venetoclax must only be prescribed under the supervision of a consultant haematologist

There are many drug interactions associated with venetoclax Always checkfording interactions.

#### References

- DiNardo et al (2018) Safety and preliminary efficacy of venetocks: with decitabine or azacitidine in elderly patients with previously untreated acute myeloid leukaemia: a non randonised open label, phase 1b study Di Nardo et al. Lancet Oncol 19: 216:228
- 2 Divado et al. (2019) Venetocks combined with decitabine or azacitidine in treatment-naïve, elderly patients with acute myeloid leukaenia. Blood. 133(1):7-17
- 3 Agarval SKetal (2017) Management of Venetoclase Posaconazole Interaction in Acute Myeloid Leukemia Patients: Evaluation of Dose Adjustments. Clin Ther. 2017 Feb;39(2):359:367
- 4 Abbrie Vendyato® Summary of Product Characteristics. Updated 25 02.22 Accessed on 13 06 22 via http://www.medicines.org/uk/enc.
- 5 Bristol Mess Squibb Pharmaceuticals Limited Vidaza® Summary of Product Characteristics. Updated 30052022 Accessed on 14062022 via http://www.medicines.org.uk/emc



Day 2



## Day 4

## 18 Ordansetran Engaral arintavenous

## 19 Azacitidne 75 mg/minwater for injection over one minute subcutaneous injection Administration instructions

Before administration 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.

Azacitidne should be administered by subcutaneous injection into the upper arm, thigh or abdomen Injection sites should be



### Cycle 2 crawards

Day 1, 2, 3, 4, 5, 8, 9

## 26 Ordensetton Engas la cristavenous

### 27. Azacitidne 75 ng/minvater for injection over one minute subcutame ous injection

Administration instructions:

Before administration the contents of the syringe must be re-suspended by inventing the syringe 23 times and vignously rolling the syringe between the palms for 30 seconds.

Azacitidne should be administered by subcutaneous injection into the upper arm, thigh or abdomen Injection sites should be notated. New injections should be given at least 2.5 cm from the previous site and never into areas where the site is tender; bruised, red, or hardened.

Doses of greater than 100 ng (4 n1) should be injected into two separate sites. Day one of the cycle should be a Monday

### Take home Day 1

## 28 Venetodax 100 ng cree a day for 28 days cral

Administration Information

Take with criust after food, crameal. Take with a full glass of water.

## 29 Metodopramide 10 ng three times a day when required for the relief of nausea oral

Administration Instructions

Please supply 28 tablets or nearest equivalent packsize

# 30 Hydrocatisone 1% creamapply to the injection site for the relief of inflammation up to four times a day, topical.

Administration instructions

Please supply 30g or nearest equivalent original pack

## 31. Senna 15 mg at night when required for the relief of constipation, or al.

Administration instructions:

Please supply 28 tablets or nearest equivalent

### 32 Antifungal prophylaxis

Administration instructions

The choice of artifungal prophylaxis is dependent on local formulary and may include

- Posaccrazde tablets 300 ng cree a day for 28 days.
- Varicanazale tablets 200 ng twice a day for 28 days.

### 33 Acidovir 400 mg twice a day for 28 days

