



Oral Chemotherapy Handbook

A Quick Reference Compiled from Official Drug Leaflets

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- **Disclaimer**

This handbook is intended as a quick reference for healthcare professionals. Clinical decisions should always be based on the latest approved prescribing information, institutional policies, and physician judgment

No.	Medication	Page
1	Abemaciclib	5
2	Acalabrutinib	5
3	Crizotinib	6
4	Dasatinib	7
5	Eltrombopag	8
6	Enzalutamide	9
7	Erlotinib	10
8	Imatinib	11
9	Ibrutinib	12
10	Lenalidomide	12
11	Nilotinib	13
12	Olaparib	14
13	Osimertinib	15
14	Palbociclib	16
15	Pazopanib	17
16	Ponatinib	18
17	Ruxolitinib	19
18	Sorafenib	20
19	Sunitinib	20
20	Temozolomide	21
21	Tretinoin	22
22	Venetoclax	23

1. Abemaciclib 100 mg ,150 mg

Brand Name: Verzenio® (Eli Lilly)

Generic Name: Abemaciclib

Indication

- Treatment of HR-positive, HER2-negative advanced or metastatic breast cancer.
- Treatment of early HR-positive, HER2-negative breast cancer at high risk of recurrence in combination with endocrine therapy.

Before or After Meals

- May be taken with or without food.
- Swallow the tablet whole with water.

Common Side Effects

- Diarrhea.
- Neutropenia.
- Fatigue.
- Nausea.
- Decreased appetite.
- Abdominal pain.

Dose Adjustments

- Dose reduction or temporary interruption may be required in patients who develop severe diarrhea, neutropenia, or liver toxicity.
- Dose adjustment may be necessary in patients with severe hepatic impairment.

Patient Counseling Points

- Take the medicine exactly as prescribed at the same time every day.
- Drink plenty of fluids during treatment.
- If diarrhea occurs, start antidiarrheal treatment (such as loperamide) as advised by your healthcare provider and maintain adequate hydration.
- Attend regular blood tests to monitor blood cell counts and liver function.
- Report persistent diarrhea, fever, unusual bleeding, or signs of infection immediately.
- Do not stop taking the medication without consulting your healthcare provider.

2. Acalabrutinib 100 mg tablet

Brand Name: Calquence® (AstraZeneca)

Generic Name: Acalabrutinib

Indication

- Treatment of Chronic Lymphocytic Leukemia (CLL).
- Treatment of Small Lymphocytic Lymphoma (SLL).
- Treatment of Mantle Cell Lymphoma (MCL).

Before or After Meals

- May be taken with or without food.
- Swallow the tablet whole with water.

- Avoid taking it with grapefruit or Seville oranges, as they may increase drug levels.

Common Side Effects

- Headache.
- Diarrhea.
- Fatigue.
- Muscle aches.
- Bruising.
- Upper respiratory tract infections.

Dose Adjustments

- Dose adjustment may be required when used with strong CYP3A inhibitors or inducers.
- Treatment may be temporarily interrupted for severe bleeding, serious infection, or significant adverse reactions.
- No dose adjustment is generally required for mild to moderate renal impairment.

Patient Counseling Points

- Take the medicine at the same time every day.
- Swallow the tablet whole; do not crush, chew, or split it.
- Inform your healthcare provider before any surgery or dental procedure because this medicine may increase the risk of bleeding.
- Report unusual bruising, bleeding, fever, or signs of infection immediately.
- Avoid grapefruit products during treatment.
- Do not stop taking the medication unless advised by your healthcare provider.

3. Crizotinib 250 mg tablet

Brand Name: Xalkori® (Pfizer)

Generic Name: Crizotinib

Indication

- Treatment of ALK-positive metastatic Non-Small Cell Lung Cancer (NSCLC).
- Treatment of ROS1-positive metastatic NSCLC.
- Treatment of ALK-positive Anaplastic Large Cell Lymphoma (ALCL).

Before or After Meals

- May be taken with or without food.
- Swallow the capsule whole with water.

Common Side Effects

- Vision disturbances.
- Nausea.
- Diarrhea.
- Vomiting.
- Constipation.
- Peripheral edema.
- Fatigue.

Dose Adjustments

- Dose reduction may be required in patients who develop severe adverse reactions.
- Dose adjustment may be necessary in patients with hepatic or severe renal impairment.
- Temporary interruption of treatment may be required depending on the severity of toxicity.

Patient Counseling Points

- Take the medicine at the same time every day.
- Swallow the capsule whole; do not crush, chew, or open it.
- Avoid grapefruit and grapefruit juice during treatment.
- Inform your healthcare provider immediately if you experience blurred vision, dizziness, fainting, chest pain, shortness of breath, or a slow heartbeat.
- Regular blood tests and liver function monitoring are recommended during treatment.
- Do not stop taking the medication unless advised by your healthcare provider.

4. Dasatinib 50 mg ,70 mg tablet

Brand Name: Tykondas® (Boston Oncology Arabia)

Generic Name: Dasatinib

Indications

- Philadelphia chromosome-positive chronic myeloid leukemia (Ph+ CML) in the chronic, accelerated, or blast phase.
- Philadelphia chromosome-positive acute lymphoblastic leukemia (Ph+ ALL).

Administration

- May be taken with or without food.
- Swallow the tablets whole; do not crush, chew, or split them.

Common Adverse Effects

- Myelosuppression (anemia, neutropenia, and thrombocytopenia)
- Diarrhea
- Nausea
- Headache
- Fatigue
- Skin rash
- Pleural effusion
- Bleeding
- Peripheral edema

Dose Adjustments

- Dose interruption or reduction may be required in patients who develop significant hematologic or non-hematologic toxicities.
- No routine dose adjustment is recommended in patients with renal impairment.
- Use with caution in patients with hepatic impairment.
- Dose adjustment may be necessary when administered with strong CYP3A4 inhibitors.

Patient Counseling Points

- Take the medication at the same time each day.
- Swallow tablets whole with water.
- Avoid grapefruit and grapefruit juice during treatment.
- Avoid proton pump inhibitors. If an antacid is required, take it at least 2 hours before or 2 hours after dasatinib.
- Attend regular follow-up appointments for complete blood count (CBC) monitoring and assessment for pleural effusion or pulmonary hypertension.
- Inform your healthcare provider immediately if you develop fever, unusual bleeding, or shortness of breath.

5. Eltrombopag 25 mg , 50 mg tablet

Brand Name: Revolade® (Novartis)

Generic Name: Eltrombopag olamine

- Treatment of chronic Immune Thrombocytopenia (ITP) in patients who have had an insufficient response to corticosteroids, immunoglobulins, or splenectomy.
- Treatment of Severe Aplastic Anemia (SAA).
- Treatment of thrombocytopenia associated with Chronic Hepatitis C to allow initiation and maintenance of interferon-based therapy.

Before or After Meals

- Take on an empty stomach (at least 1 hour before or 2 hours after meals).
- Take Revolade® at least 2 hours before or 4 hours after dairy products, antacids, or supplements containing calcium, iron, magnesium, aluminum, selenium, or zinc.

Common Side Effects

- Headache.
- Nausea.
- Fatigue.
- Increased liver enzymes (ALT/AST).
- Muscle aches.

Dose Adjustments

- The dose is individualized according to the patient's platelet count and clinical response.
- Dose reduction or temporary interruption may be required if platelet counts become excessively high.
- Patients with hepatic impairment may require a lower starting dose.

Patient Counseling Points

- Take the medicine exactly as prescribed and at the same time each day.
- Swallow the tablet whole with water.
- Avoid taking the medicine with milk, dairy products, antacids, or mineral supplements.
- Attend regular blood tests to monitor platelet count and liver function.

- Inform your healthcare provider immediately if you notice unusual bruising, bleeding, yellowing of the skin or eyes, dark urine, or severe abdominal pain.
- Do not stop taking the medication unless instructed by your healthcare provider.

6. Enzalutamide 40 mg capsule

Brand Name: Xtandi

Generic Name: Enzalutamide

Indication

- Prostate cancer

Before or After Meals

- May be taken with or without food.

Common Side Effects

- Fatigue
- Hot flushes
- Hypertension
- Headache
- Dizziness
- Seizures
- Posterior Reversible Encephalopathy Syndrome (PRES)

Administration

Oral capsule or tablet

Take once daily

With or without food

Swallow whole; do not chew, crush, or open the capsule

Dose Adjustments

- Reduce the dose or interrupt treatment if severe adverse reactions occur.
- Dose adjustment may be required with strong CYP2C8 or CYP3A4 inhibitors/inducers.

Patient Counseling Points

- Take the medicine at the same time every day.
- Do not stop taking the medication without consulting your healthcare provider.

- Report seizures, dizziness, or falls immediately.
- Avoid activities requiring alertness if dizziness occurs.
- Use effective contraception if your partner can become pregnant during treatment and for 3 months after the last dose.

7. Erlotinib 25 mg ,100 mg ,150 mg tablet

Brand Name: Tyrox

Generic Name: Erlotinib

Indication

- Non-small cell lung cancer (NSCLC).
- Pancreatic cancer (in combination with gemcitabine).

Before or After Meas

- Take on an empty stomach (at least 1 hour before or 2 hours after a meal).
- Swallow the tablet whole with water.

Common Side Effects

- Skin rash
- Diarrhea
- Fatigue
- Nausea
- Loss of appetite

Administration

Oral tablet

Take once daily

Take on an empty stomach

Swallow the tablet whole with water

Dose Adjustments

- Dose reduction or interruption may be required for severe diarrhea, skin rash, or liver toxicity.
- Dose adjustment may be needed with CYP3A4 inhibitors or inducers.

Patient Counseling Points

- Take the medicine at the same time every day.

- Take it at least 1 hour before or 2 hours after food.
- Avoid smoking because it decreases the effectiveness of Erlotinib.
- Report severe rash, diarrhea, difficulty breathing, or eye problems immediately.
- Do not crush or chew the tablet.

8. Imatinib 400 mg tablet

Brand Name: Glivec® (Novartis)

Generic Name: Imatinib

Indications:

- Philadelphia chromosome-positive Chronic Myeloid Leukemia (Ph+ CML).
- Philadelphia chromosome-positive Acute Lymphoblastic Leukemia (Ph+ ALL).
- Gastrointestinal Stromal Tumors (GIST).
- Dermatofibrosarcoma Protuberans (DFSP).

Administration:

- Take with food and a large glass of water.
- Swallow the tablet whole.

Common Side Effects:

- Nausea
- Vomiting
- Fluid retention
- Muscle cramps
- Diarrhea
- Fatigue
- Skin rash

Dose Adjustments:

- Dose reduction may be required in patients with severe adverse reactions.
- Dose adjustment may be necessary in hepatic impairment.
- Temporary interruption may be required if severe neutropenia or thrombocytopenia develops.

Patient Counseling Points:

- Take the medicine with food to reduce stomach upset.
- Take it at the same time every day.
- Report swelling around the eyes, ankles, or sudden weight gain.
- Attend regular blood tests to monitor blood counts and liver function.
- Tell your healthcare provider if you notice unusual bruising, bleeding, or signs of infection.

9. Ibrutinib 140 mg capsule

Brand Name: Imbruvica® (Janssen)

Generic Name: Ibrutinib

Indications:

- Chronic Lymphocytic Leukemia (CLL).
- Small Lymphocytic Lymphoma (SLL).
- Mantle Cell Lymphoma (MCL).
- Waldenström Macroglobulinemia (WM).
- Marginal Zone Lymphoma (MZL).
- Chronic Graft-versus-Host Disease (cGVHD).

Administration:

- May be taken with or without food.
- Swallow the capsule whole with water.
- Take at the same time each day.

Common Side Effects:

- Diarrhea.
- Fatigue.
- Bruising.
- Musculoskeletal pain.
- Rash.
- Neutropenia.
- Anemia.
- Thrombocytopenia.

Dose Adjustments:

- Dose reduction or temporary interruption may be required if severe bleeding, infection, or cardiac arrhythmias occur.
- Dose adjustment is recommended when used with strong CYP3A inhibitors.
- Use with caution in patients with hepatic impairment.

Patient Counseling Points:

- Take your medicine at the same time every day.
- Swallow the capsule whole; do not open, chew, or crush it.
- Avoid grapefruit, Seville oranges, and grapefruit juice.
- Tell your healthcare provider immediately if you develop unusual bleeding, fever, signs of infection, chest pain, or an irregular heartbeat.
- Attend all scheduled blood tests and follow-up appointments.
- Inform your doctor before any surgery or dental procedure because this medicine may increase the risk of bleeding.

10.Lenalidomide 5 mg ,10 mg ,25 mg

Brand Name: Revlimid®

Generic Name: Lenalidomide

Indication

- Multiple myeloma

- Myelodysplastic syndromes (MDS)
- Mantle cell lymphoma (MCL)
- Follicular lymphoma (FL)

Before or After Meals

- May be taken with or without food.
- Swallow the capsule whole with water.

Common Side Effects

- Neutropenia
- Anemia
- Thrombocytopenia
- Constipation
- Fatigue

Administration

Oral capsule

Take once daily

With or without food

Swallow the capsule whole with water

Dose Adjustments

- Adjust the dose in patients with renal impairment.
- Interrupt or reduce the dose for severe neutropenia or thrombocytopenia.

Patient Counseling Points

- Take the medicine at the same time every day.
- Do not open, crush, or chew the capsule.
- Avoid pregnancy during treatment because of the high risk of birth defects.
- Report signs of infection, unusual bleeding, or blood clots immediately.

11. Nilotinib 200 mg

Brand Name: Tasigna® (Novartis)

Generic Name: Nilotinib

Indications:

- Newly diagnosed Philadelphia chromosome-positive Chronic Myeloid Leukemia (Ph+ CML) in chronic phase.
- Chronic or accelerated phase Ph+ CML resistant or intolerant to previous therapy including imatinib.

Administration:

- Take on an empty stomach.
- Take at least 2 hours after food and wait at least 1 hour before eating again.
- Swallow the capsules whole with water.

Common Side Effects:

- Rash.
- Pruritus.
- Headache.
- Nausea.
- Fatigue.
- Constipation.
- Elevated liver enzymes.
- QT prolongation.

Dose Adjustments:

- Dose reduction or temporary interruption may be needed if severe toxicity occurs.
- Dose adjustment may be required in hepatic impairment.
- Reduce the dose when co-administered with strong CYP3A4 inhibitors if unavoidable.

Patient Counseling Points:

- Take the medicine exactly on an empty stomach.
- Do not eat for 2 hours before and 1 hour after each dose.
- Avoid grapefruit and grapefruit juice.
- Keep all appointments for ECG monitoring and blood tests
- Tell your healthcare provider immediately if you experience fainting, palpitations, or severe dizziness.

12.Olaparib 150 mg

Brand Name: Lynparza® (AstraZeneca/MSD)

Generic Name: Olaparib

Indications

- BRCA-mutated ovarian, fallopian tube, or primary peritoneal cancer.
- BRCA-mutated HER2-negative breast cancer.
- BRCA-mutated metastatic pancreatic cancer (maintenance treatment).
- HRR gene-mutated metastatic castration-resistant prostate cancer.
- Certain patients with high-risk early breast cancer and a germline BRCA mutation.

Administration

- May be taken with or without food.
- Take twice daily, approximately 12 hours apart.
- Swallow the tablets whole.

Common Side Effects

- Nausea

- Fatigue or weakness
- Anemia
- Vomiting
- Diarrhea
- Decreased appetite
- Headache
- Low white blood cell count
- Low platelet count

Dose Adjustments

Dose reduction or temporary interruption may be required if:

- Significant adverse reactions occur (especially anemia or persistent nausea).
- The patient has moderate renal impairment.
- Strong or moderate CYP3A inhibitors cannot be avoided.

Patient Counseling Points

- Take the tablets twice a day, about 12 hours apart, with or without food.
- Swallow the tablets whole. Do not crush, chew, split, or dissolve them.
- If you miss a dose, skip it and take the next dose at the regular time. Do not take two doses together.
- Avoid grapefruit, grapefruit juice, Seville oranges, and Seville orange juice during treatment.
- Attend all scheduled blood tests because this medicine can lower your blood cell counts.
- Contact your healthcare provider immediately if you develop fever, unusual bruising or bleeding, persistent shortness of breath, or severe fatigue.
- Tell your doctor about all prescription medicines, over-the-counter medicines, and herbal supplements before starting any new medication.
- Use effective contraception during treatment and for the recommended period after the last dose. Do not breastfeed while taking Lynparza®.

13.Osimertinib 80 mg tablet

Brand Name: Tagrisso

Generic Name: Osimertinib

Indication

- EGFR mutation-positive non-small cell lung cancer (NSCLC)

Before or After Meals

- May be taken with or without food.
- Swallow the tablet whole with water.

Common Side Effects

- Diarrhea
- Skin rash
- Dry skin
- Paronychia (nail infection)
- Fatigue

Administration

Oral capsule

Take once daily

With or without food

Swallow the tablet whole with water

Dose Adjustments

- Reduce the dose or temporarily interrupt treatment if severe adverse reactions occur (e.g., interstitial lung disease, QT prolongation, or severe skin reactions).
- Dose reduction: **80 mg → 40 mg once daily**, if needed.

Patient Counseling Points

- Take the medicine at the same time every day.
- Do not crush, split, or chew the tablet.
- Report new or worsening cough, shortness of breath, chest pain, or severe rash immediately.
- Use effective contraception during treatment and after stopping the medication as advised by your healthcare provider.

14. Palbociclib 75 mg ,100 mg ,125 mg tablet

Brand Name: Papilio® (Hikma), Ibrance® (Pfizer)

Generic Name: Palbociclib

Indication

- Treatment of hormone receptor (HR)-positive, HER2-negative advanced or metastatic breast cancer.
- Used in combination with an aromatase inhibitor as initial endocrine-based therapy.
- Used in combination with fulvestrant in patients with disease progression following endocrine therapy.

Before or After Meals

- Take with food.
- Swallow the capsule whole with water. Do not crush, chew, or open the capsule.

Common Side Effects

- Neutropenia.
- Leukopenia.
- Fatigue.
- Nausea.
- Stomatitis (mouth sores).
- Hair thinning (alopecia).
- Diarrhea.

Dose Adjustments

- Dose reduction may be required for neutropenia or other severe adverse reactions.
- Treatment may be interrupted until blood cell counts recover.
- A lower dose may be required in patients with severe hepatic impairment.

Patient Counseling Points

- Take the medicine at the same time every day with food.
- Do not miss scheduled blood tests, as regular complete blood count (CBC) monitoring is essential.
- Avoid grapefruit and grapefruit juice during treatment.
- Report fever, sore throat, chills, or any signs of infection immediately.
- Do not change the dose or stop treatment without consulting your healthcare provider.

15. Pazopanib 200 mg tablet

Brand Name: Votrient® (Novartis)

Generic Name: Pazopanib

Indication

- Advanced renal cell carcinoma (RCC).
- Advanced soft tissue sarcoma (STS) after prior chemotherapy.

Administration

- Take on an empty stomach, at least 1 hour before or 2 hours after a meal.
- Swallow the tablet whole with water.

Common Side Effects

- High blood pressure
- Diarrhea
- Nausea
- Fatigue
- Liver problems
- Hair color changes (hair may become lighter)
- Decreased appetite
- Changes in heart rhythm (QT prolongation)

Dose Adjustment

Your doctor may lower your dose if you develop significant side effects. Dose adjustments may also be needed if you are taking strong CYP3A4 inhibitors. Pazopanib is generally not recommended in severe liver impairment.

Patient Counseling Points

- Always take this medicine on an empty stomach.
- Monitor your blood pressure regularly.
- Keep all appointments for liver function tests.
- Avoid grapefruit and grapefruit juice during treatment.
- Contact your healthcare provider if you notice yellowing of the skin or eyes, dark urine, severe abdominal pain, or persistent fatigue.

16. Ponatinib 15 mg tablet

Brand Name: Iclusig® (Takeda)

Generic Name: Ponatinib

Indication

- Chronic Myeloid Leukemia (CML).
- Philadelphia chromosome-positive Acute Lymphoblastic Leukemia (Ph+ ALL) in patients who are resistant or intolerant to previous tyrosine kinase inhibitors (TKIs) or who have the T315I mutation.

Administration

- May be taken with or without food.
- Take it at the same time each day.

Common Side Effects

- High blood pressure
- Low platelet count
- Rash
- Liver problems
- Pancreatitis
- Blood clots and blocked arteries

Dose Adjustment

Your doctor may temporarily stop treatment or reduce your dose if you develop significant side effects. Dose reduction may also be recommended after achieving a good treatment response or when taking strong CYP3A4 inhibitors.

Patient Counseling Points

- Swallow the tablet whole with water.
- Keep all appointments for blood tests and monitoring of your blood pressure and liver function.
- Seek medical attention immediately if you experience chest pain, sudden weakness, severe headache, shortness of breath, or swelling in your legs, as these may be signs of serious blood vessel problems.
- Tell your healthcare provider if you develop severe abdominal pain, nausea, or vomiting, as these could be symptoms of pancreatitis.
- Inform your healthcare provider about all medicines you are taking before starting any new treatment.

17. Ruxolitinib 5 mg ,15 mg tablet

Brand Name: Celezon® (Hikma)

Generic Name: Ruxolitinib

Indication

- Intermediate- or high-risk myelofibrosis.
- Polycythemia vera in patients who cannot tolerate or have not responded adequately to hydroxyurea.
- Steroid-refractory acute and chronic graft-versus-host disease (GVHD).

Administration

- May be taken with or without food.
- Take it at the same time each day.

Common Side Effects

- Anemia
- Low platelet count (thrombocytopenia)
- Low white blood cell count (neutropenia)
- Headache
- Dizziness
- Infections (including shingles)
- Weight gain

Dose Adjustment

Your doctor may reduce the dose or temporarily stop treatment if your blood cell counts become too low. Dose adjustments may also be needed if you have liver problems, severe kidney impairment, are receiving dialysis, or are taking certain medicines such as strong CYP3A4 inhibitors.

Patient Counseling Points

- Swallow the tablet whole with water.
- Attend all scheduled blood tests to monitor your blood cell counts during treatment.
- Tell your healthcare provider if you develop signs of infection such as fever, chills, or a new rash.
- Do not start any new medicines without checking with your healthcare provider, as some medicines may interact with ruxolitinib.

18. Sorafenib 200 mg tablet

Brand Name: Nexavar® (Bayer)

Generic Name: Sorafenib

Indications:

- Advanced Renal Cell Carcinoma (RCC).
- Unresectable Hepatocellular Carcinoma (HCC).
- Differentiated Thyroid Carcinoma (DTC) that is locally recurrent or metastatic and no longer responds to radioactive iodine.

Administration:

- Take on an empty stomach, at least 1 hour before or 2 hours after a meal.
- Swallow the tablets whole with water.

Common Side Effects:

- Hand-foot skin reaction
- Diarrhea
- Fatigue
- Hypertension
- Rash
- Alopecia
- Decreased appetite

Dose Adjustments

- Dose reduction or temporary interruption may be necessary if severe side effects occur.
- Use with caution in patients with hepatic impairment.
- Dose modification may be needed when severe skin toxicity or hypertension develops.

Patient Counseling Points:

- Always take the medicine on an empty stomach.
- Monitor your blood pressure regularly.
- Avoid grapefruit and grapefruit juice.
- Tell your healthcare provider if you develop severe skin reactions, chest pain, unusual bleeding, or yellowing of the skin or eyes.
- Keep all scheduled blood tests and follow-up visits.

19.Sunitinib 12.5 mg ,25 mg ,50 mg tablet/capsule

Brand Name: Sutent® (Pfizer)

Generic Name: Sunitinib

Indications

- Gastrointestinal Stromal Tumor (GIST) after disease progression on or intolerance to imatinib.
- Advanced or metastatic Renal Cell Carcinoma (RCC).
- Adjuvant treatment of adult patients at high risk of recurrent RCC following nephrectomy.
- Progressive, well-differentiated Pancreatic Neuroendocrine Tumors (pNET) that are unresectable or metastatic.

Administration

- May be taken with or without food.
- Take it at the same time every day.

Common Side Effects

- Fatigue
- Diarrhea
- Nausea and vomiting

- Mouth sores (stomatitis)
- High blood pressure
- Hand-foot syndrome
- Decreased appetite
- Skin or hair color changes
- Low blood cell counts

Dose Adjustments

Dose reduction or temporary interruption may be needed if:

- Severe or intolerable side effects occur.
- Liver toxicity develops.
- The patient is taking strong CYP3A4 inhibitors or inducers.
- Significant hypertension or other serious adverse effects occur.

Patient Counseling Points

- Take your medicine at the same time each day, with or without food.
- Swallow the tablet/capsule whole with water.
- If you miss a dose, do not double the next dose. Take the next scheduled dose as usual.
- Avoid grapefruit and grapefruit juice during treatment.
- Monitor your blood pressure regularly, as this medicine may increase it.
- Keep all appointments for blood tests to monitor your blood counts, liver function, and thyroid function.
- Tell your healthcare provider if you develop unusual bleeding, severe diarrhea, chest pain, shortness of breath, or painful mouth sores.
- Inform your doctor before any surgery or dental procedure because Sutent® may slow wound healing.
- Use effective contraception during treatment. Do not breastfeed while taking this medicine.

20. Temozolomide 100 mg

Brand Name: Temodal®

Generic Name: Temozolomide

Indications:

- Newly diagnosed glioblastoma multiforme (GBM) in combination with radiotherapy and as maintenance treatment.
- Recurrent or progressive malignant glioma.

Administration:

- Take on an empty stomach to reduce nausea.
- Swallow the capsule whole with a full glass of water.
- Do not open, crush, or chew the capsule.
- Take once daily.

Common Adverse Effects:

- Nausea
- Vomiting
- Constipation

- Fatigue
- Headache
- Neutropenia
- Thrombocytopenia

Dose Adjustments:

- Dose interruption or reduction may be required in patients who develop severe hematologic toxicity.
- Monitor complete blood count (CBC) before and during treatment.

Patient Counseling Points:

- Take the medication at the same time each day.
- Take it on an empty stomach.
- Swallow the capsule whole; do not open, crush, or chew it.
- Report fever, signs of infection, or unusual bleeding immediately.
- Women and men should use effective contraception during treatment and for the recommended period after the last dose.

21. Tretinoin 10 mg

Brand Name: Ematra® (Emcure)

Generic Name: Tretinoin

Indication

- Treatment of Acute Promyelocytic Leukemia (APL).

Before or After Meals

- Take with food to reduce stomach upset.
- Swallow the capsule whole with water.

Common Side Effects

- Headache.
- Dry skin and lips.
- Nausea.
- Fever.
- Bone or joint pain.
- Increased liver enzymes.

Dose Adjustments

- Treatment may be temporarily interrupted or adjusted if severe toxicity develops.
- Patients should be closely monitored for Differentiation Syndrome, which requires immediate medical management.
- Dose adjustment may be necessary in patients with significant hepatic impairment.

Patient Counseling Points

- Take the medicine exactly as prescribed and with food.
- Swallow the capsule whole; do not crush or chew it.
- Drink plenty of fluids during treatment.

- Report fever, sudden weight gain, swelling, difficulty breathing, or chest pain immediately, as these may be signs of Differentiation Syndrome, a serious but treatable complication.
- Women of childbearing potential should use effective contraception during treatment and avoid pregnancy.
- Attend all scheduled blood tests and follow-up appointments to monitor your response to treatment.

22.Venetoclax 10 mg ,50 mg ,100 mg tablet

Brand Name: Venclexta® (AbbVie / Genentech)

Generic Name: Venetoclax

Indications

- Chronic Lymphocytic Leukemia (CLL) or Small Lymphocytic Lymphoma (SLL). Acute Myeloid Leukemia (AML) in
- combination with other medicines in eligible adult patients.

Administration.

- Take with food and water.
- Swallow the tablets whole. Do not chew, crush, or break them.
- Take at the same time every day.

Common Side Effects

- Neutropenia.
- Anemia.
- Thrombocytopenia.
- Diarrhea.
- Nausea.
- Fatigue.
- Upper respiratory tract infection.

Dose Adjustments

- A gradual weekly dose ramp-up is required at the start of treatment to reduce the risk of Tumor Lysis Syndrome (TLS).
- Dose interruption or reduction may be needed if severe blood count abnormalities or other significant side effects occur.
- Dose adjustment is required when used with strong CYP3A inhibitors.
- Patients with renal impairment require close monitoring because of an increased risk of TLS.

Patient Counseling Points

- Always take the medicine with food and water at the same time each day.
- Drink plenty of fluids before and during the first weeks of treatment to help prevent Tumor Lysis Syndrome.
- Never change the dose yourself during the dose ramp-up period.
- Attend all scheduled blood tests and laboratory monitoring appointments.
- Inform your healthcare provider

- immediately if you develop fever, chills, muscle cramps, severe weakness, decreased urination, or unusual bleeding.
- Avoid grapefruit, Seville oranges, and star fruit while taking this medicine.