

HIGHLIGHTS OF PRESCRIBING INFORMATION These highlights do not include all the information needed to use SUNITINIB MALATE CAPSULES safely and effectively. See full prescribing information for SUNITINIB MALATE CAPSULES.
SUNITINIB malate capsules, for oral use

WARNING: HEPATOTOXICITY See full prescribing information for complete boxed warning. Hepatotoxicity may be severe, and in some cases fatal. Monitor hepatic function and interrupt, dose reduce, or discontinue sunitini as recommended [see Warnings and Precautions (5.1)]. ----- RECENT MAJOR CHANGES -Dosage and Administration, Recommended Dosage for GIST and Advanced RCC (2.1) Dosage and Administration, Recommended Dosage for pNET (2.3)
Dosage and Administration, Recommended Dosage for pNET (2.3)
Dosage and Administration, Dosage Modifications for Adverse Reactions (2.4)
Warnings and Precautions (5)

--- INDICATIONS AND USAGE ----Sunitinib malate capsules are a kinase inhibitor indicated fo treatment of adult patients with gastrointestinal stromal tumor (GIST) after disease progression on or intolerance to imatinib mesylate.

(1.1) treatment of adult patients with advanced renal cell carcinoma (RCC). (1.2) adjuvant treatment of adult patients with advanced renal cell carcinoma (RCC). (1.2) adjuvant treatment of adult patients at high risk of recurrent RCC following nephrectomy. (1.3) treatment of progressive, well-differentiated pancreatic neuroendocrine tumors (pNET) in adult patients with unresectable locally advanced or metastatic disease. (1.4) --- DOSAGE AND ADMINISTRATION ---

he recommended dosage is 50 mg orally once daily for the first 4 weeks of each 6-week cycle (Schedule 4/2). (2.1) Adjuvant Treatment of RCC: The recommended dosage is 50 mg orally once daily for the first 4 weeks of a 6-week cycle (Schedule 4/2) for a maximum of 9 cycles.

The recommended dosage is 37.5 mg orally once daily. (2.3) --- DOSAGE FORMS AND STRENGTHS ---

• Capsules: 12.5 mg, 25 mg, 37.5 mg, 50 mg sunitinib (3) ---- CONTRAINDICATIONS

---- WARNINGS AND PRECAUTIONS ----<u>Hepatotoxicity:</u> Fatal liver failure has been observed. Monitor liver function tests at baseline, during each cycle, and as clinically indicated. Interrupt sunitinib for Grade 3 or 4 hepatotoxicity until resolution; discontinue if no resolution. Discontinue sunitinib for subsequent severe changes in liver function tests or other signs and symptoms of liver failure. (5.1)

FULL PRESCRIBING INFORMATION: CONTENTS* WARNING: HEPATOTOXICITY 1 INDICATIONS AND USAGE 1.1 Gastrointestinal Stromal Tumor
 1.2 Advanced Renal Cell Carcinoma
 1.3 Adjuvant Treatment of Renal Cell Carcinoma
 1.4 Advanced Pancreatic Neuroendocrine Tumors

2 DOSAGE AND ADMINISTRATION Recommended Dosage for GIST and Adva Recommended Dosage for Adjuvant Treatment of RCC 2.4 Dosage Modification for Adverse Reactions 2.5 Dosage Modification for Drug Interactions
 2.6 Dosage Modification for End-Stage Renal Disease Patients on Hemodialysis

DOSAGE FORMS AND STRENGTHS

CONTRAINDICATIONS
WARNINGS AND PRECAUTIONS

5.3 QT Interval Prolongation and Torsade de Pointes 5.5 Hemorrhagic Events and Viscus Perforation 5.6 Tumor Lysis Syndrome (TLS) 5.7 Thrombotic Microangiopathy (TMA)

5.10 Reversible Posterior Leukoencephalopathy Syndrome (RPLS) 5.11 Thyroid Dysfunction

5.12 Hypoglycemia 5.13 Osteonecrosis of the Jaw (ONJ) 5.14 Impaired Wound Healing 5.15 Embryo-Fetal Toxicity

FULL PRESCRIBING INFORMATION

WARNING: HEPATOTOXICITY totoxicity may be severe, and in some cases, fatal. Monitor hepatic function and interrupt, dose reduce, or discontinue sunitinib INDICATIONS AND USAGE

Sunitinib malate capsules are indicated for the treatment of adult patients with gastrointestinal stromal tumor (GIST) after disease progression 1.2 Advanced Renal Cell Carcinoma

Sunitinib malate capsules are indicated for the treatment of adult patients with advanced renal cell carcinoma (RCC) 1.3 Adjuvant Treatment of Renal Cell Carcinoma Sunitinib malate capsules are indicated for the adjuvant treatment of adult patients at high risk of recurrent RCC following nephrectomy

1.4 Advanced Pancreatic Neuroendocrine Tumors

Sunitinib malate capsules are indicated for the treatment of progressive, well-differentiated pancreatic neuroendocrine tumors (pNET) in adult patients with unresectable locally advanced or metastatic disease. 2 DOSAGE AND ADMINISTRATION 2.1 Recommended Dosage for GIST and Advanced RCC

The recommended dosage of sunitinib malate capsules for gastrointestinal stromal tumor (GIST) and advanced renal cell carcinoma (RCC) is 50 mg taken orally once daily, on a schedule of 4 weeks on treatment followed by 2 weeks off (Schedule 4/2) until disease progression or nacceptable toxicity. Sunitinib malate capsules may be taken with or without food. 2.2 Recommended Dosage for Adjuvant Treatment of RCC

The recommended dosage of sunitinib malate capsules for the adjuvant treatment of RCC is 50 mg taken orally once daily, on a schedule of 4 weeks on treatment followed by 2 weeks off (Schedule 4/2), for nine 6-week cycles. Sunitinib malate capsules may be taken with or without food The recommended dosage of sunitinib malate capsules for pancreatic neuroendocrine tumors (pNET) is 37.5 mg taken orally once daily until disease progression or unacceptable toxicity. Sunitinib malate capsules may be taken with or without food.

The maximum dose administered in the pNET study was 50 mg daily. The minimum dose administered in the adjuvant RCC study was 37.5

2.5 Dosage Modification for Drug Interactions Select an alternate concomitant medication with no or minimal enzyme inhibition potential. If coadministration of sunitinib malate capsules

with a strong CYP3A4 inducer cannot be avoided, consider a dose reduction for sunitinib malate capsules to a minimum dosage as follows GIST and RCC: 37.5 mg orally once daily, on a schedule of 4 weeks on treatment followed by 2 weeks off (Schedule 4/2) pNET: 25 mg orally once daily

Strong CYP3A4 Inducers Select an alternate concomitant medication with no or minimal enzyme induction potential. If coadministration of sunitinib malate capsules with a strong CYP3A4 inducer cannot be avoided, consider a dose increase for sunitinib malate cansules to a maximum dosage as follows:

GIST and RCC: 87.5 mg orally once daily, on a schedule of 4 weeks on treatment followed by 2 weeks off (Schedule 4/2) pNET: 62.5 mg orally once daily If the dose of sunitinib malate capsules is increased, monitor patients carefully for adverse reactions [see Drug Interactions (7.1)].

2.6 Dosage Modification for End-Stage Renal Disease Patients on Hemodialysis

No starting dose adjustment is required in patients with end-stage renal disease (ESRD) on hemodialysis. However, given the decreased exposure compared to patients with normal renal function, subsequent doses may be increased gradually up to 2-fold based on safety and tolerability [see Clinical Pharmacology (12.3)].

3 DOSAGE FORMS AND STRENGTHS Hard gelatin capsule with opaque reddish brown cap and opaque reddish brown body, self-lock capsule, imprinted with 'RM53' on cap and

'RM53' on body in white ink, containing yellow to orange colored powder

Hard gelatin cansule with opaque caramel can and opaque reddish brown body, self-lock cansule, imprinted with 'RM54' on can and 'RM54' on body in white ink, containing yellow to orange colored powder.

37.5 mg capsules Hard gelatin capsule with opaque yellow cap and opaque yellow body, self-lock capsule, imprinted with 'RM55' on cap and 'RM55' on body in black ink, containing yellow to orange colored powder.

50 mg capsules Hard gelatin capsule with opaque caramel cap and opaque caramel body, self-lock capsule, imprinted with 'RM56' on cap and 'RM56' on ning yellow to orange colored powde

4 CONTRAINDICATIONS

5 WARNINGS AND PRECAUTIONS

5.1 Hepatotoxicity Sunitinib can cause severe hepatotoxicity, resulting in liver failure or death. In the pooled safety population, liver failure occurred in < 1% of patients in clinical trials. Liver failure include jaundiced, elevated transaminases and/or hyperbilirubinemia in conjunction with encephalopathy, coagulopathy, and/or renal failure. Monitor liver function tests (alanine aminotransferase [ALT], aspartate aminotransferase [AST], and bilirubin) at baseline, during each cycle, and as clinically indicated. Interrupt sunitini for Grade 3 or 4 hepatotoxicity until resolution.

Discontinue sunitinib in patients without resolution of Grade 3 or 4 hepatotoxicity, in patients who subsequently experience severe changes in liver function tests and in patients who have other signs and symptoms of liver failure. Safety in patients with ALT or AST > 2.5 times upper

limit of normal (ULN) or with > 5.0 times ULN and liver metastases has not been established. 5.2 Cardiovascular Events Cardiovascular events, including heart failure, cardiomyopathy, myocardial ischemia, and myocardial infarction, some of which were fatal,

In pooled safety population, 3% of patients experienced heart failure; 71% of the patients with heart failure were reported as recovered. Fatal cardiac failure was reported in < 1% of patients.

In the adjuvant treatment of RCC study, 11 patients experienced Grade 2 decreased ejection fraction (left ventricular ejection fraction [LVEF] 40% to 50% and a 10% to 19% decrease from baseline). In 3 of these 11 patients, ejection fractions arm did not return to ≥ 50% or baseline by the time of last measurement. No patients who received sunitinib were diagnosed with CHF.

Patients who presented with cardiac events within 12 months prior to sunitinib administration, such as myocardial infarction (including severe/unstable angina), coronary/peripheral artery bypass graft, symptomatic CHF, cerebrovascular accident or transient ischemic attack, or pulmonary embloism were excluded from sunitinib clinical studies. Patients with prior anthracycline use or cardiac radiation were also excluded from some studies. It is unknown whether patients with these concomitant conditions may be at a higher risk of developing left

Consider monitoring LVEF at baseline and periodically as clinically indicated. Carefully monitor patients for clinical signs and symptoms of congestive heart failure (CHF). Discontinue sunitinib in patients who experience clinical manifestations of CHF. Interrupt sunitinib and/or reduce the dose in patients without clinical evidence of CHF who have an ejection fraction of greater than 20% but less than 50% below baseline or below the lower limit of normal if baseline ejection fraction was not obtained. 5.3 QT Interval Prolongation and Torsade de Pointes

Sunitinib can cause QT interval prolongation in a dose-dependent manner, which may lead to an increased risk for ventricular arrhythmias including Torsade de Pointes. Torsade de Pointes was observed in < 0.1% of patients. Monitor patients who are at higher risk of developing OT interval prolongation, including patients with a history of OT interval prolongation, patients who are taking antiarrhythmics, or patients with relevant pre-existing cardiac disease, bradycardia, or electrolyte disturbances. Consider periodic monitoring of electrocardiograms and electrolytes (i.e., magnesium, potassium) during treatment with sunitinib.

Monitor QT interval more frequently when sunitinib is concomitantly administered with strong CYP3A4 inhibitors or drugs known to prolong QT interval. Consider dose reducing sunitinib [see Dosage and Administration (2.5), Drug Interactions (7.2)]. the pooled safety population, 29% of patients experienced hypertension. Grade 3 hypertension was reported in 7% of patients, and Grade

Monitor blood pressure at baseline and as clinically indicated. Initiate and/or adjust antihypertensive therapy as appropriate. In cases of hypertension, withhold sunitinib until hypertension is controlled. 5.5 Hemorrhagic Events and Viscus Perforation Hemorrhagic events, some of which were fatal, have involved the gastrointestinal tract, respiratory tract, tumor, urinary tract, and brain. In the pooled safety population, 30% of patients experienced hemorrhagic events, including Grade 3 or 4 event in 4.2% of patients. Epistaxis was the most common hemorrhagic event and gastrointestinal hemorrhage was the most common Grade ≥ 3 event.

Tumor-related hemorrhage was observed in patients treated with sunitinib. These events may occur suddenly, and in the case of pulmonary tumors, may present as severe and life-threatening hemophysis or pulmonary hemorrhage. Pulmonary hemorrhage, some with a fatal outcome was observed in patients treated with sunitinib for metastatic RCC, GIST, and metastatic lung cancer. Sunitinib is not approved for use in patients with lung cancer.

Serious, sometimes fatal, gastrointestinal complications including gastrointestinal perforation, have been reported in patients with intraabdominal malignancies treated with sunitinib.

Include serial complete blood counts (CBCs) and physical examinations with the clinical assessment of hemorrhagic events. Tumor Lysis Syndrome (TLS), some fatal, occurred in clinical trials and has been reported in postmarketing experience, primarily in patients with RCC or GIST. Patients generally at risk of TLS are those with high tumor burden prior to treatment. Monitor these patients for TLS and

5.7 Thrombotic Microangiopathy Thrombotic Microangiopathy (TMA), including thrombotic thrombocytopenic purpura and hemolytic uremic syndrome, sometimes leading to renal failure or a fatal outcome, occurred in clinical trials and in postmarketing experience of sunitinib as monotherapy and administered in combination with bevacizumab. Sunitinib is not approved for use in combination with bevacizumab.

Discontinue sunitinib in patients developing TMA. Reversal of the effects of TMA has been observed after sunitinib was discontinued.

Proteinuria and nephrotic syndrome have been reported. Some of these cases have resulted in renal failure and fatal outcomes. Monitor patients for the development or worsening of proteinuria. Perform baseline and periodic urinalyses during treatment, with follow up measurement of 24-hour urine protein as clinically indicated. Interrupt sunitinib and dose reduce for 24-hour urine protein of 3 or more grams. Discontinue sunitinib for patients with nephrotic syndrome or repeat episodes of 24-hour urine protein 3 or more grams despite dose reductions. The safety of continued sunitinib treatment in patients with moderate to severe proteinuria has not been evaluated.

Severe cutaneous reactions have been reported, including erythema multiforme (EM), Stevens-Johnson syndrome (SJS), and toxic epidermal necrolysis (TEN), some of which were fatal. Permanently discontinue sunitinib for these severe cutaneous adverse reactions. Necrotizing fasciitis, including fatal cases, has been reported in patients treated with sunitinib, including of the perineum and secondary to fistula formation. Discontinue sunitinib in patients who develop necrotizing fasciitis

Cardiovascular Events: Myocardial ischemia, myocardial infarction, heart failure, cardiomyopathy, and decreased left ventricular ejection fraction (LVEF) to below the lower limit of normal including death have occurred. Monitor for signs and symptoms of congestive heart failure and consider monitoring LVEF at baseline and periodically during treatment. Discontinue sunitinib for clinical manifestations of congestive heart failure. Interrupt and/or dose reduce for decreased LVEF. (5.2)

11 Intervals and Prolongation and Torsade de Polines: Monitor patients at higher risk for developing QT interval prolongation. Consider monitoring of electrocardiograms and electrolytes. (5.3)

monitoring of electrocardiograms and electrolytes. (5.3)

<u>Hypertension</u>: Monitor blood pressure at baseline and as clinically indicated. Initiate and/or adjust antihypertensive therapy as appropriate. (5.4) Hemorrhagic Events: Tumor-related hemorrhage and viscus perforation (both with fatal events) have occurred. Perform serial complete blood counts and physical examinations. (5.5)
Tuny Lysis Syndrome (TLS): TLS (some tatal) has been reported primarily in patients with RCC and GIST. Monitor these patients and treat as clinically indicated. (5.6)

Thrombotic microangiopathy (TMA): TMA, including thrombotic thrombocytopenic purpura and hemolytic uremic syndrome, sometimes leading to renal failure or a fatal outcome, has been reported. Discontinue sunitinib for TMA. (5.7)

Proteinuria: Renal failure or a fatal outcome has occurred. Monitor urine protein. Interrupt treatment for 24-hour urine protein of 3 or more grams. Discontinue for repeat episodes of 24-hour urine protein of 3 or more grams despite dose reductions or nephrotic syndrome. (5.8) Dermatologic Toxicities: Necrotizing fasciitis, erythema multiforme, Stevens-Johnson syndrome (SJS), and toxic epidermal necrolysis (TEN) (some fatal) have occurred. Discontinue sunitinib for these events. (5.9)
Reversible Posterior Leukoencephaloght Syndrome (RPLS): RPLS (some fatal) has been reported. Monitor for signs and symptoms of RPLS. Withold sunitinib until resolution. (5.10)

Thyroid Dysfunction: Monitor thyroid function at baseline, periodically during treatment, and as clinically indicated. Initiate and/or adjust hterapy for thyroid dysfunction as appropriate. (5.11)

Hypoglycemia: Check blood glucose levels regularly and assess if antidiabetic drug dose modifications are required. (5.12)

Osteonecrosis of the Jaw (ONJ): Withhold sunitinib for at least 3 weeks prior to invasive dental procedure and development of ONJ until complete resolution. (5.13)

complete resolution. (3, 15)
Impaired Wound Healing: Withhold sunitinib for at least 3 weeks prior to elective surgery. Do not administer for at least 2 weeks following major surgery and until adequate wound healing. The safety of resumption of sunitinib after resolution of wound healing complications Embryo-Fetal Toxicity: Can cause fetal harm. Advise patients of potential risk to a fetus and to use effective contraception. (5.15, 8.1, 8.3) ----- ADVERSE REACTIONS -----

The most common adverse reactions (\geq 25%) are fatigue/asthenia, diarrhea, mucositis/stomatitis, nausea, decreased appetite/anorexia, vomiting, abdominal pain, hand-foot syndrome, hypertension, bleeding events, dysgeusia/altered taste, dyspepsia, and thrombocytopenia. To report SUSPECTED ADVERSE REACTIONS, contact Sun Pharmaceutical Industries, Inc. at 1-800-406-7984 or FDA at 1-800-FDA-1088

---- DRUG INTERACTIONS --CYP3A4 Inhibitors: Consider dose reduction of sunitinib when administered with strong CYP3A4 inhibitors. (7.1) CYP3A4 Inducers: Consider dose increase of sunitinib when administered with strong CYP3A4 inducers. (7.1) ------ USE IN SPECIFIC POPULATIONS -

Lactation: Advise not to breastfeed, (8.2) See 17 for PATIENT COUNSELING INFORMATION and FDA-approved patient labeling. Revised: 12/2020

6.1 Clinical Trials Experience6.2 Postmarketing Experience

7 DRUG INTERACTIONS 7.1 Effect of Other Drugs on Sunitinib 7.2 Drugs that Prolong QT Interval

8 USE IN SPECIFIC POPULATIONS

emales and Males of Reproductive Potential Pediatric Use Geriatric Use Hepatic Impairr Renal Impairme

10 OVERDOSAGE 11 DESCRIPTION 12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action 12.2 Pharmacodynamics 12.3 Pharmacokinetics 13 NONCLINICAL TOXICOLOGY

14 CLINICAL STUDIES

14.1 Gastrointestinal Stromal Tumor14.2 Renal Cell Carcinoma

14.3 Pancreatic Neuroendocrine Tumors 16 HOW SUPPLIED/STORAGE AND HANDLING 17 PATIENT COUNSELING INFORMATION

 $5.10 \quad \hbox{Reversible Posterior Leukoencephalopathy Syndrome}$ Reversible posterior leukoencephalopathy syndrome (RPLS) has been reported in <1% of patients, some of which were fatal. Patients can present with hypertension, headache, decreased alertness, altered mental functioning, and visual loss, including cortical blindness. Magnetic resonance imaging is necessary to confirm the diagnosis. Withhold sunitinib until resolution. The safety of reinitiating sunitinib in patients

perthyroidism, some followed by hypothyroidism, have been reported in clinical trials and through postmarketing experience of sunitinib. Monitor thyroid function at baseline, periodically during treatment and as clinically indicated. Monitor patients closely for signs and symptoms of thyroid dysfunction, including hypothyroidism, hyperthyroidism, and thyroiditis, during treatment with sunitinib. Initiate and/or adjust therapies for thyroid dysfunction as appropriate.

sunitinib can result in symptomatic hypoglycemia, which may lead to loss of consciousness, or require hospitalization. Hypoglycemia has occurred in clinical trials in 2% of the patients treated with sunitinib for advanced RCC (Study 3) and GIST (Study 1) and in approximately 0% of the patients treated with sunitinib for pRTC (Study 6). For patients being treated with sunitinib for pRTE, pre-existing abnormalities on glucose homeostasis were not present in all patients who experienced hypoglycemia. Reductions in blood glucose levels may be worse in Check blood glucose levels at baseline, regularly during treatment, as clinically indicated and after discontinuation of sunitinib. In patients with diabetes, assess if antidiabetic therapies need to be adjusted to minimize the risk of hypoglycemia.

5.13 Osteonecrosis of the Jaw necrosis of the Jaw (ONJ) occurred in patients treated with sunitinib. Concomitant exposure to other risk factors, such as sphonates or dental disease/invasive dental procedures, may increase the risk of ONL! Perform an oral expension price to individual ispleonerosis of the any found occurred in patients treated with solutions, concornant exposure to united his actions, such as ispleopsophonates or dental disease/invasive dental procedures, may increase the risk of ONJ. Perform an oral examination prior to initiation of suntitinib and periodically during sunitinib therapy. Advise patients regarding good oral hygiene practices. Withhold sunitinib treatment for it least 3 weeks prior to scheduled dental surgery or invasive dental procedures, if possible. Withhold sunitinib for development of ONJ until

5.14 Impaired Wound Healing aired wound healing has been reported in patients who received sunitinib [see Adverse Reactions (6.2)] Withhold sunitinib for at least 3 weeks prior to elective surgery. Do not administer for at least 2 weeks following major surgery and until adequate wound healing. The safety of resumption of sunitinib after resolution of wound healing complications has not been established.

Based on findings from animal studies and its mechanism of action, sunitinib can cause fetal harm when administered to pregnant woman. and 0.3 times the combined systemic exposure [combined area under the curve (AUC) of sunitinib plus its active metabolite1 in patients

administered the recommended daily dose (RDD) of 50 mg, respectively.

Advise pregnant women of the potential risk to a fetus. Advise females of reproductive potential to use effective contraception during treatment with sunitinib and for 4 weeks following the final dose [see Use in Specific Populations (8.1, 8.3)]. 6 ADVERSE REACTIONS

The following clinically significant adverse reactions are described elsewhere in the labeling. Hepatotoxicity (see Warnings and Precautions (5.1)]
Cardiovascular Events (see Warnings and Precautions (5.2)]
QT Interval Prolongation and Torsade de Pointes (see Warnings and Precautions (5.3)]

QI Interval Prolongation and Torsade de Pointes (see Warnings and Precautions (5.3))
Hypertension (see Warnings and Precautions (5.4))
Hemorrhagic Events (see Warnings and Precautions (5.5)]
Turnor Lysis Syndrome (see Warnings and Precautions (5.5))
Thrombotic Microanjopathy (see Warnings and Precautions (5.7))
Proteinuria (see Warnings and Precautions (5.8))
Dermatologic Toxicities (see Warnings and Precautions (5.9))
Reversible Posterior Leukoencephalopathy Syndrome (see Warnings and Precautions (5.10))
Thyroid Dysfunction (see Warnings and Precautions (5.11))
Hypondynemia (see Warnings and Precautions (5.11))

Hypoglycemia [see Warnings and Precautions (5.12)]

Osteonecrosis of the Jaw [see Warnings and Precautions (5.13) Impaired Wound Healing [see Warnings and Precautions (5.14)]

6.1 Clinical Trials Experience

Because 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.

The pooled safety population described in the Warnings and Precautions reflect exposure to sunitinib in 7527 patients with GIST, RCC (advanced and adjuvant), or DNET. In this pooled safety population, the most common adverse reactions (2 25%) were fatigue/asthenia, diarrhea, mucositis/stomatitis, nausea, decreased appetite/anorexia, vomiting, abdominal pain, hand-foot syndrome, hypertension, bleeding events, dysgeusia/altered taste, dyspepsia, and thrombocytopenia. astrointestinal Stromal Tumor

The safety of sunitinib was evaluated in Study 1, a randomized, double-blind, placebo-controlled trial in which previously treated patients with GIST received sunitinit 50 mg daily on Schedule 4/2 (n = 202) or placebo (n = 102). Median duration of blinded study treatment was 2 cycles for patients on sunitinib (mean: 3.0; range: 1 to 9) and 1 cycle (mean; 1.8; range: 1 to 6) for patients on placebo at the time of the interim analysis. The patients of summing financing, interest of spirit patients of patients in the sunitinib arm. Dose reductions occurred in 11% and dose interruptions occurred in 29% of patients who received sunitinib.

Table 1 summarizes the adverse reactions for Study 1. Table 1. Adverse Reactions Reported in 2 10% of GIST Patients Who Received Sunitinib in the Double-Blind Treatment Phase and More Commonly Than in Patients Given Placebo* in Study 1

	uioi						
	Sunitinib	(N = 202)	Placebo	(N = 102)			
Adverse Reactions	All Grades %	Grade 3 to 4 %	All Grades %	Grade 3 to 4 %			
Any Adverse Reaction	94	56	97	51			
Gastrointestinal Diarrhea Mucositis/stomatitis Constipation	40 29 20	4 1 0	27 18 14	0 2 2			
Metabolism/Nutrition Anorexia ^a Asthenia	33 22	1 5	29 11	5 3			
Dermatology Skin discoloration Rash Hand-foot syndrome	30 14 14	0 1 4	23 9 10	0 0 3			
Neurology Altered taste	21	0	12	0			
Cardiac Hypertension	15	4	11	0			
Musculoskeletal Myalgia/limb pain	14	1	q	1			

* Common Terminology Criteria for Adverse Events (CTCAE), version 3.0. Abbreviations: GIST=gastrointestinal stromal tumor; N=number of patients

Other clinically relevant adverse reactions included oral pain other than mucositis/stomatitis in 6%; hair color changes in 7%; alopecia in 5% of patients who received sunitinib.

Table 2 summarizes the laboratory abnormalities in Study 1. Table 2. Laboratory Abnormalities Reported in ≥ 10% of GIST Patients Who Received Sunitinib or Placebo in the Double-Blind Treatment

	GIS1						
	Sunitinib	(N = 202)	Placebo	(N = 102)			
Laboratory Parameter	All Grades*	Grade 3 to 4 ^{*,a}	All Grades*	Grade 3 to 4*,b			
Any		34		22			
Hematology Neutrophils Lymphocytes Platelets Hemoglobin	53 38 38 26	10 0 5 3	4 16 4 22	0 0 0 2			
Gastrointestinal AST/ALT Lipase Alkaline phosphatase Amylase Total bilirubin Indirect bilirubin	39 25 24 17 16 10	2 10 4 5 1	23 17 21 12 8 4	1 7 4 3 0			
Renal/Metabolic Creatinine Potassium decreased Sodium increased	12 12 10	1 1 0	7 4 4	0 0 1			
Cardiac			1	I			

Common Terminology Criteria for Adverse Events (CTCAE), version 3.0. breviations: ALT-alanine aminotransferase; AST-aspartate aminotransferase; GIST-gastrointestinal stromal tumor; LVEF-left ventricular ejection fraction; N=number Grade 4 laboratory abnormalities in patients on sunitinib included alkaline phosphatase (1%), lipase (2%), creatinine (1%), potassium decreased (1%), neutrophils

(2%), hemoglobin (2%), and platelets (1%).

^b Grade 4 laboratory abnormalities in patients on placebo included amylase (1%), lipase (1%), and hemoglobin (2%). After an interim analysis, the study was unblinded and patients on the placebo arm were given the opportunity to receive open-label sunitinib treatment (see Clinical Studies (14.1)). For 241 patients randomized to the sunitinib arm, including 139 who received sunitinib in both the double-blind and open-label phases, the median duration of sunitinib treatment was 6 cycles (mean: 8.5 range: 1 to 44). For the 255 patients who ultimately received open-label sunitinib treatment, median duration of study treatment was 6 cycles (mean: 7.8; range: 1 to 37) from the

Permanent discinsing.

Permanent discontinuation due to an adverse reaction occurred in 20% of patients who received sunitinib. Dosage interruption occurred in 46% and dose reduction occurred in 28% of patients who received sunitinib. The most common Grade 3 or 4 adverse reactions in patients who received sunitinib in the open-label phase were fatigue (10%), hypertension (8%), asthenia (5%), diarrhea (5%), hand-foot syndrome (5%), nausea (4%), abdominal pain (3%), anorexia (3%), mucositis (2%), vomiting Advanced Renal Cell Carcinoma

The safety of sunitinib was evaluated in Study 3, a double-blind, active-controlled trial in which previously untreated patients with locally advanced or metastatic RCC received sunitinib 50 mg daily on Schedule 4/2 (n = 375) or interferon affa 9 million International Units (MIU) (n = 360). The median duration of treatment was 11.1 months (range: 0.4 to 46.1) for sunitinib treatment and 4.1 months (range: 0.1 to 45.6) for interferon affa treatment. Permanent discontinuation due to an adverse reaction occurred in 20% of patients in the sunitinib arm. Dose interruptions occurred in 54%

Table 3 summarizes the adverse reactions for Study 3. Table 3. Adverse Reactions Reported in ≥ 10% of Patients With RCC Who Received Sunitinib or Interferon Alfa* in Study 3

			-Naïve RCC		
		(N = 375)	Interferon Alfa (N = 360)		
lverse Reaction	All Grades %	Grade 3 to 4 ^a %	All Grades %	Grade 3 to 4 ^b %	
y Adverse Reaction	99	77	99	55	
strointestinal					
arrhea	66	10	21	<1	
usea	58	6	41	2	
cositis/stomatitis	47	3	5	<1	
miting spepsia	39 34	5 2	17 4	1 0	
dominal pain ^c	30	5	12	1 1	
nstipation	23	l ĭ	14	<1	
/ mouth	13	ĺ	7	l ⊰i	
l pain	14	<1	l i	0	
tulence	14	0	2	0	
RD/reflux esophagitis	12	<1	1	0	
ıssodynia	11	0	1	0	
norrhoids	10	0	2	0	
nstitutional					
igue 	62	15	56	15	
thenia ⁄er	26 22	11	22 37	6 < 1	
er ight decreased	16	<1	17	1	
ils	14	l i'	31	ĺ ģ	
est Pain	13	2	7	l i	
uenza like illness	5	ō	15	<1	
tabolism/Nutrition					
orexia ^d	48	3	42	2	
urology					
ered taste ^e	47	<1	15	0	
adache	23	1,	19	, o	
ziness	11	<1	14	1	
morrhage/Bleeding	37	4 ^f	10	1	
eding, all sites diac	3/	4"	10		
raiac pertension	34	13	4	<1	
ema peripheral	24	2		1	
ction fraction decreased	16	3	5 5	ż	
rmatology	1	-			
sh	29	2	11	<1	
nd-foot syndrome	29	8	1	0	
n discoloration/yellow skin	25	< 1	0	0	
/ skin	23	<1	7	0	
ir color changes	20 14	0	< 1 9	0	
pecia thema	12	\ \ <1	1 1	0	
iritus	12	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	7	<1	
sculoskeletal	15	` '	,	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
n in extremity/limb discomfort	40	5	30	2	
hralgia	30	3	19	ī	
ck pain	28	5	14	2	
spiratory					
igh	27	1 1	14	<1	
spnea	26	6	20	4	
opharyngitis	14	0	2 2	0	
pharyngeal pain	14		2 2	0	
per respiratory tract infection	11	<1	2	0	
ocrine othyroidism	16	2	1	0	
othyroidism chiatric	10			U	
	15	_1	10	0	
somnia epression ^g	15 11	<1 0	10 14	1	

^a Grade 4 ARs in patients on sunitinib included back pain (1%), arthralgia (< 1%), dyspnea (< 1%), asthenia (< 1%), fatigue (< 1%), limb pain (< 1%) and rash (< 1%).

Grade 4 ARs in patients on interferon affa included dyspnea (1%), fatigue (1%), abdominal pain (< 1%), and depression (< 1%).

Includes flank pain. Includes ageusia, hypogeusia, and dysgeusia.
Includes 1 patient with Grade 5 gastric hemorrhage.

Table 4 summarizes the laboratory abnormalities in Study 3.

Table 4. Laboratory Abnormalities Reported in ≥ 10% of RCC Patients Who Received Sunitinib or Interferon Alfa in Study 3.

	Treatment-Naïve RCC					
	Sunitinib	(N = 375)	Interferon A	Ifa (N = 360)		
Laboratory Parameter	All Grades*	Grade 3 to 4*,a %	All Grades* %	Grade 3 to 4*,b %		
Hematology						
Hemoglobin	79	8	69	5		
Neutrophils	77	17	49	9		
Platelets	68	9	24	1		
Lymphocytes	68	18	68	26		
Renal/Metabolic						
Creatinine	70	<1	51	<1		
Creatine kinase	49	2	l ii	l i		
Uric acid	46	14	33	8		
Calcium decreased	42	1 1	40	1 1		
Phosphorus	31	6	24	6		
Albumin	28	l i	20	0		
Glucose increased	23	6	15	6		
Sodium decreased	20	8 0	15	4		
Glucose decreased	17	0	12	<1		
Potassium increased	16	3	17	4		
Calcium increased	13	<1	10	1		
Potassium decreased	13	1	2	<1		
Sodium increased	13	0	10	0		
Gastrointestinal						
AST	56	2	38	2		
Lipase	56	18	46	2 8 2 2 3		
AĹT	51	3 2	40	2		
Alkaline phosphatase	46	2	37	2		
Amylase	35	6	32	3		
Total bilirubin	20	l i	2	0		
Indirect hiliruhin	10	l 1	1 1	l ń		

Common Terminology Criteria for Adverse Events (CTCAE), version 3.0.

Abbreviations: ALT-alanine aminotransferase, AST-aspartate aminotransferase, N-number of patients; RCC-renal cell carcinoma.

*Grade 4 laboracy abnormalities in patients on sunitini included uric acid (14%), lipase (3%), neutrophilis (2%), lymphocytes (2%), hemoglobin (2%), platelets (1%), amylase (1%), ALT (< 1%), creatine kinase (< 1%), creatine kinase (< 1%), glucose increased (< 1%), calcium decreased (< 1%), phosphorous (< 1%), <1%), and sodium decreased (<1%).
Grade 4 laboratory abnormalities in patients on interferon alfa included uric acid (8%), lymphocytes (2%), lipase (1%), neutrophils (1%), amylase (<1%), calcium Long-Term Safety in BCC

The long-term safety of sunitinib in patients with metastatic RCC was analyzed across 9 completed clinical studies conducted in the first-line, bevacizumab-refractory, and cytokine-refractory treatment settings. The analysis included 5739 patients, of whom 807 (14%) were treated for at least 2 years and 365 (6%) for at least 3 years. Prolonged treatment with sunitinib did not appear to be associated with new types of adverse reactions. There appeared to be no increase in the yearly incidence of adverse reactions at later time points. Hypothyroidism increased during the second year of treatment with new cases reported up to year 4. Adjuvant Treatment of RCC The safety of sunitinib was evaluated in S-TRAC, a randomized, double-blind, placebo-controlled trial in which patients who had undergone nephrectomy for RCC received sunitinib 50 mg daily on Schedule 4/2 (n = 306) or placebo (n = 304). The median duration of treatment was 12.4 months (range: 0.13 to 14.9) for sunitinib and 12.4 months (range: 0.03 to 13.7) for placebo.

Permanent discontinuation due to an adverse reaction occurred in 28% of patients in the sunitinib arm. Adverse reactions leading to permanent discontinuation in 2% of patients include hand-foot syndrome and fatigue/asthenia. Dosing interruptions occurred in (54%) and dose reductions occurred in 46% of patients who received sunitinib. Table 5 summarizes the adverse reactions in S-TRAC. Table 5. Adverse Reactions Reported in \geq 10% of Patients With RCC Who Received Sunitinib and More Commonly Than in Patients Given Placebo* in S-TRAC

Adjuvant Treatment of RCC

	Sunitinib	(N = 306) Placebo (N = 304)		(N = 304)	
A4 B P	All Grades	Grade 3 to 4	All Grades	Grade 3 to 4	
Adverse Reaction	%	%	%	%	
Any Adverse Reaction	99	60	88	15	
Gastrointestinal Mucositis/Stomatitis ^a Diarrhea Nausea Dyspepsia Abdominal pain ^b Vooming Constipation	61 57 34 27 25 19	6 4 2 1 2 2 2	15 22 15 7 9 7	0 <1 0 0 <1 0	
Constitutional Fatigue/Asthenia Localized edema ^c Pyrexia	57 18 12	8 <1 <1	34 < 1 6	2 0 0	
Dermatology Hand-foot syndrome Rash ^d Hair color changes Skin discoloration/Yellow skin Dry skin	50 24 22 18 14	16 2 0 0	10 12 2 1 6	<1 0 0 0 0	
Cardiac Hypertension ^e Edema/Peripheral edema	39 10	8 <1	14 7	1 0	
Neurology Altered taste ^f Headache	38 19	<1 <1	6 12	0	
Endocrine Hypothyroidism/TSH increased	24	<1	4	0	
Hemorrhage/Bleeding Bleeding events, all sites ⁹	24	<1	5	<1	
Metabolism/Nutrition Anorexia/Decreased appetite	19	<1	5	0	

Pain in extremity Arthralgia Common Terminology Criteria for Adverse Events (CTCAE), version 3.0. Abbreviations: ARs-adverse reactions; N=number of patients; RCC=renal cell carcinoma.

I houldes mucosal inflammation, stomatiss aphthous ulcer, mouth ulceration, tongue ulceration, oropharyngeal pain, and oral pain.

Pincludes abdominal pain, abdominal pain lower, and abdominal pain upper.

I includes deman localized, face adema, eyelid edema, perioribital edema, swelling face, and eye edema.

I includes dermatilis, dermatilis, positiasflorm, exolitative rash, genital rash, rash, rash erythematous, rash follicular, rash generalized, rash macular, rash maculopapular, rash papular, and rash pruritic.

I includes aquesta, hypoderusia, hypoderusia, and dvsceusia.

ıcludes ageusia, hypogeusia, and dysgeusia. ncludes epistaxis, gingival bleeding, rectal hemorrhage, hemoptysis, anal hemorrhage, upper gastrointestinal hemorrhage, hem Grade 4 adverse reactions in patients on sunitinib included hand-foot syndrome (1%), fatique (< 1%), abdominal pain (< 1%), stomatitis (<

Grade 3 to 4 laboratory abnormalities that occurred in ≥ 2% of patients receiving sunitinib include neutropenia (13%), thrombocytopenia (5%), leukopenia (3%), lymphopenia (3%), elevated alanine aminotransferase (2%), elevated aspartate aminotransferase (2%), hyperglycemia (2%), and hyperkalemia (2%). Advanced Pancreatic Neuroendocrine Tumors The safety of sunitinib was evaluated in Study 6, a randomized, double-blind, placebo-controlled trial in which patients with progressive pNET received sunitinib 37.5 mg once daily (n = 83) or placebo (n = 82). The median number of days on treatment was 139 days (range: 13 to 532 days) for patients on sunitinib and 113 days (range: 1 to 614 days) for patients on sunitinib and 1 13 days (range: 1 to 614 days) for patients on placebo. Nineteen patients (23%) on sunitinib and 4 patients (5%) on placebo were on study for > 1 year.

Permanent discontinuation due to an adverse reaction occurred in 22% in the sunitinib arm. Dose interruptions occurred in 30% and dose reductions occurred in 31% of patients who received sunitinib. Table 6 summarizes the adverse reactions in Study 6. Table 6. Adverse Reactions Reported in ≥ 10% of Patients With pNET Who Received Sunitinib and More Commonly Than in Patients Given Placebo* in Study 6

		PNEI						
	Sunitini	(N = 83)	Placebo	Placebo (N = 82)				
Adverse Reaction	All Grades %	Grade 3 to 4ª %	All Grades %	Grade 3 to 4 %				
Any Adverse Reaction	99	54	95	50				
Gastrointestinal Diarrhea Stomatitis/oral syndromes ^b Nausea Abdominal pain ^c Vomiting Dyspepsia	59 48 45 39 34 15	5 6 1 5 0	39 18 29 34 31 6	2 0 1 10 2				
Constitutional Asthenia Fatigue Weight decreased	34 33 16	5 5 1	27 27 11	4 9 0				
Dermatology Hair color changes Hand-foot syndrome Rash Dry skin	29 23 18 15	1 6 0	1 2 5 11	0 0 0 0				
Cardiac Hypertension	27	10	5	1				
Hemorrhage /Bleeding Bleeding events ^d Epistaxis	22 21	0	10 5	4 0				
Neurology Dysgeusia Headache	21 18	0	5 13	0				
Psychiatric Insomnia	18	0	12	0				
Musculoskeletal Arthralgia	15	0	6	0				

MEDICATION GUIDE Sunitinib Malate (soo ni' ti nib mal' ate) Capsules Rx only

What is the most important information I should know about sunitinib malate capsules? Sunitinib malate capsules can cause serious side effects including:

 Severe liver problems, that can lead to death. Tell your healthcare provider right away if you develop any of the following signs and symptoms of liver problems during treatment with sunitinib malate capsules:

itching

yellow eyes or skin

dark urine

o pain or discomfort in the right upper stomach area

Your healthcare provider should do blood tests to check your liver function before you start taking and during treatment with sunitinib malate capsules. Your healthcare provider may tell you to temporarily or permanently stop taking sunitinib malate capsules if you develop liver

See "What are the possible side effects of sunitinib malate capsules?" for more information about side effects.

What are sunitinib malate capsules?

Sunitinib malate capsules are prescription medicine used to treat:

 a rare cancer of the stomach, bowel, or esophagus called gastrointestinal stromal tumor (GIST) and when: o you have taken the medicine imatinib mesylate (Gleevec[®]) and it did not stop the

cancer from growing, or

you cannot take imatinib mesylate (Gleevec[®]).

advanced kidney cancer (advanced renal cell carcinoma or RCC). adults with kidney cancer that has not spread (localized), and who are at high risk of RCC

coming back again after having kidney surgery. a type of pancreatic cancer called pancreatic neuroendocrine tumors (pNET), that has progressed and cannot be treated with surgery.

It is not known if sunitinib malate capsules are safe and effective in children. Before taking sunitinib malate capsules tell your healthcare provider about all of your medical conditions, including if you:

have any heart problems

have high blood pressure

 have thyroid problems have a history of low blood sugar or diabetes

• have kidney function problems (other than cancer)

have liver problems

have any bleeding problem

• plan to have surgery or have had a recent surgery. You should stop taking sunitinib malate capsules at least 3 weeks before planned surgery. See "What are the possible side effects of sunitinib malate capsules?"

have or have had pain in the mouth, teeth or jaw, swelling or sores inside the mouth,

numbness or a feeling of heaviness in the jaw, or loosening of a tooth • are pregnant or plan to become pregnant. Sunitinib malate capsules can harm your unborn

Females who are able to become pregnant:

pregnant during treatment with sunitinib malate capsules.

 Your healthcare provider should do a pregnancy test before you start treatment with sunitinib malate capsules.

 You should use effective birth control (contraception) during treatment and for at least 4 weeks after your last dose of sunitinib malate capsules. o Tell your healthcare provider right away if you become pregnant or think you are

Males with female partners who are able to become pregnant should use effective birth control (contraception) during treatment and for 7 weeks after your last dose of sunitinib malate capsules. Sunitinib malate capsules may cause fertility problems in males and females. Tell your healthcare provider if this is a concern for you.

are breastfeeding or plan to breastfeed. Do not breastfeed during treatment with sunitinib malate capsules and for at least 4 weeks (1 month) after the last dose. Tell all of your healthcare providers and dentists that you are taking sunitinib malate capsules. They should talk to the healthcare provider who prescribed sunitinib malate capsules for you,

before you have **any** surgery, or medical or dental procedure. Tell your healthcare provider about all the medicines you take, including prescription medicines and over-the-counter medicines, vitamins, and herbal supplements. Using sunitinib malate capsules with certain other medicines can cause serious side effects.

You may have an increased risk of severe jaw bone problems (osteonecrosis) if you take

sunitinib malate capsules and a bisphosphonate medicine. **Especially tell** your healthcare

provider if you are taking or have taken an osteoporosis medicine. Know the medicines you take. Keep a list of them to show your healthcare provider and

pharmacist when you get a new medicine. How should I take sunitinib malate capsules?

• Take sunitinib malate capsules exactly the way your healthcare provider tells you. • Take sunitinib malate capsule 1 time each day with or without food. • If you take sunitinib malate capsules for GIST or RCC, you will usually take your medicine for 4 weeks (28 days) and then stop for 2 weeks (14 days). This is 1 cycle of treatment.

You will repeat this cycle for as long as your healthcare provider tells you to. • If you take sunitinib malate capsules for pNET, take it 1 time each day until your healthcare provider tells you to stop. • Do not drink grapefruit juice or eat grapefruit during your treatment with sunitinib malate

capsules. They may cause you to have too much sunitinib malate in your body. Your healthcare provider may do blood tests before each cycle of treatment to check you If you miss a dose of sunitinib malate capsules by less than 12 hours, take the missed

healthcare provider about any missed dose. • Call your healthcare provider right away, if you take too much sunitinib malate capsules.

• See "What is the most important information I should know about sunitinib malate

dose right away. If you miss a dose of sunitinib malate capsules by more than 12 hours,

just take your next dose at your regular time. Do not make up the missed dose. Tell your

What are possible side effects of sunitinib malate capsules? Sunitinib malate capsules may cause serious side effects, including:

capsules?" **Heart problems.** Heart problems may include heart failure, heart attack and heart muscle problems (cardiomyopathy) that can lead to death. Tell your healthcare provider if you feel very tired, are short of breath, or have swollen feet and ankles. Your healthcare provider may stop your treatment with sunitinib malate capsules if you have signs and

symptoms of heart failure. Abnormal heart rhythm changes. Changes in the electrical activity of your heart called QT prolongation can cause irregular heart beats that can be life threatening. Your healthcare provider may do electrocardiograms and blood tests (electrolytes) to watch for these problems during your treatment with sunitinib malate capsules Tell your healthcare provider immediately if you feel dizzy, faint, or have abnormal heartbeats during your treatment with sunitinib malate capsules

 you feel faint or lightheaded, feel your heart beat is irregular or fast or you pass out dizziness

High blood pressure. High blood pressure is common with sunitinib malate capsules, and may sometimes be severe. Follow your healthcare provider's instructions about having your blood pressure checked regularly. Call your healthcare provider if your blood pressure is high, or if you have any of the following signs or symptoms of high blood pressure: dizziness severe headache

Your healthcare provider may prescribe medicine for you to treat high blood pressure, if

change in vision

needed. Your healthcare provider may temporarily stop your treatment with sunitinib malate capsules until your high blood pressure is controlled. **Bleeding problems**. Bleeding is common with sunitinib malate capsules, but sunitinib malate capsules can also cause severe bleeding problems that can lead to death. Call your healthcare provider right away if you have any of these symptoms or a serious bleeding

problem during treatment with sunitinib malate capsules, including: o painful, swollen stomach (abdomen) o bloody urine vomiting blood

lightheadedness

 headache or change in your mental status black, sticky stools coughing up blood Your healthcare provider:

 can tell you about other symptoms to watch for may do blood tests if needed and monitor you for bleeding Serious stomach and intestinal problems, that can sometimes lead to death. Some

people have had tears in their stomach or intestine (perforation), or have developed an

Outsert Size: 430 x 570 mm Folded Size: 35 x 35 mm Color: Black Track: A20/04/2021, A26/04/2021,

A27/04/2021, A21/05/2021

SAP Code : 5220228 ITF Code: 05220228 Old SAP Code: 5219051

abnormal opening between the stomach and intestine (fistula). Get medical help right away if you get stomach-area (abdominal) pain that does not go away or is severe during treatment with sunitinib malate capsules

• Tumor lysis syndrome (TLS). TLS is caused by the fast breakdown of cancer cells and may lead to death. TLS can cause kidney failure and the need for dialysis treatment, abnormal heart rhythm, seizure, and sometimes death. Your healthcare provider may do blood tests to check you for TLS.

 Abnormal changes in the brain (Reversible Posterior Leukoencephalopathy) **Syndrome[RPLS]).** RPLS can cause a collection of symptoms including headache, confusion, and vision loss. Some people who have taken sunitinib malate capsules have developed RPLS that can lead to death. Your healthcare provider may stop your treatment with sunitinib malate capsules if you have signs and symptoms of RPLS.

 Thrombotic microangiopathy (TMA) including thrombotic thrombocytopenia purpura (TTP) and hemolytic uremic syndrome (HUS). TMA is a condition that involves injury to the smallest blood vessels, and blood clots that can happen while taking sunitinib malate capsules. TMA is accompanied by a decrease in red cells and cells that are involved with clotting. TMA may harm your body's organs such as the brain and kidneys, and can sometimes lead to death. Your healthcare provider may tell you to stop taking sunitinib malate capsules if you develop TMA.

• **Protein in your urine.** Some people who have taken sunitinib malate capsules have developed protein in their urine, and in some cases, kidney problems that can lead to death. Your healthcare provider will check you for this problem. If there is too much protein in your urine, your healthcare provider may tell you to stop taking sunitinib malate

• **Serious skin and mouth reactions.** Treatment with sunitinib malate capsules has caused severe skin reactions that can lead to death, including:

severe rash with blisters or peeling of the skin.

painful sores or ulcers on the skin, lips or inside the mouth.

tissue damage (necrotizing fasciitis).

If you have any signs or symptoms of severe skin reactions, stop taking sunitinib malate capsules and call your healthcare provider or get medical help right away.

• Thyroid problems. Your healthcare provider may do tests to check your thyroid function during sunitinib malate capsules treatment. Tell your healthcare provider if you have any of the following signs and symptoms during your treatment with sunitinib malate capsules:

 tiredness that gets worse fast heart beat and does not go away weight gain or weight loss

 problems with heat loss of appetite o feeling nervous or feeling depressed

 irregular menstrual periods agitated, tremors or no menstrual periods sweating

 headache nausea or vomiting hair loss diarrhea

• Low blood sugar (hypoglycemia). Low blood sugar can happen with sunitinib malate capsules, and may cause you to become unconscious, or you may need to be hospitalized. Low blood sugar with sunitinib malate capsules may be worse in people who have diabetes and take antidiabetic medicines. Your healthcare provider should check your blood sugar levels regularly during treatment with sunitinib malate capsules and may need to adjust the dose of your antidiabetic medicines. Signs and symptoms of low blood sugar may include:

 headache irritability hunger fast heart beat

 dizziness sweating feeling jittery

Call your healthcare provider right away if you have any signs or symptoms of severe low blood sugar during your treatment with sunitinib malate capsules.

• Jaw-bone problems (osteonecrosis). Severe jaw bone problems have happened in some people who take sunitinib malate capsules. Certain risk factors such as taking a bisphosphonate medicine or having dental disease may increase your risk of getting osteonecrosis. Your healthcare provider may tell you to see your dentist before you start taking sunitinib malate capsules. Your healthcare provider may tell you to avoid dental procedures, if possible, during your treatment with sunitinib malate capsules, especially if you are receiving a bisphosphonate medicine into a vein (intravenous). Tell your healthcare provider if you plan to have any dental procedures before or during treatment

 You should stop taking sunitinib malate capsules at least 3 weeks before planned dental procedures.

• Your healthcare provider should tell you when you may start taking sunitinib malate capsules again after dental procedures.

• Wound healing problems. Wound healing problems have happened in some people who take sunitinib malate capsules. Tell your healthcare provider if you have or plan to have any surgery before or during treatment with sunitinib malate capsules.

• You should stop taking sunitinib malate capsules at least 3 weeks before planned

• Your healthcare provider should tell you when you may start taking sunitinib malate

capsules again after surgery.

Common side effects of sunitinib malate capsules include:

 tiredness vomiting

• stomach-area (abdominal) pain weakness blisters or rash on the palms of diarrhea pain, swelling or sores your hands and soles of your feet

inside of your mouth high blood pressure nausea taste changes low platelet counts loss of appetite indigestion

The medicine in sunitinib malate capsules is yellow, and it may make your skin look yellow. Your skin and hair may get lighter in color. Sunitinib malate capsules may also cause other skin problems including: dryness, thickness or cracking of the skin.

ask your healthcare provider or pharmacist. Call your doctor for medical advice about side effects. You may report side effects to FDA at

1-800-FDA-1088.

These are not all of the possible side effects of sunitinib malate capsules. For more information,

How do I store sunitinib malate capsules?

• Store sunitinib malate capsules at room temperature, between 68°F to 77°F (20°C to

Keep sunitinib malate capsules and all medicines out of the reach of children.

General information about the safe and effective use of sunitinib malate capsules. Medicines are sometimes prescribed for purposes other than those listed in a Medication Guide. Do not use sunitinib malate capsules for a condition for which it was not prescribed. Do not give sunitinib malate capsules to other people, even if they have the same symptoms that you have. It may harm them.

You can ask your healthcare provider or pharmacist for information about sunitinib malate capsules that is written for health professionals.

What are the ingredients in sunitinib malate capsules?

Active ingredient: sunitinib malate

Inactive ingredients: croscarmellose sodium, magnesium stearate, mannitol, povidone (K-

Reddish brown gelatin capsule shells: ferric oxide red and titanium dioxide. **Caramel gelatin capsule shells:** ferric oxide red, ferric oxide yellow, ferrosoferric oxide and

Yellow gelatin capsule shells: ferric oxide yellow and titanium dioxide. White printing ink: potassium hydroxide, shellac and titanium dioxide.

Black printing ink: ferrosoferric oxide, potassium hydroxide and shellac.

All trademarks are property of their respective owners.

Manufactured by: Sun Pharmaceutical Industries Ltd. Survey No. 259/15, Dadra-396 191 (U.T. of D & NH), India. Distributed by: Sun Pharmaceutical Industries, Inc. Cranbury, NJ 08512

October 2020 FDA-03

For more information, call 1-800-818-4555.

This Medication Guide has been approved by the U.S. Food and Drug Administration

Abbreviations: N=number of patients; pNET=pancreatic neuroendocrine tumors

b Includes aphthous stomatitis, gingival pain, gingivitis, glossitis, glossidynia, mouth ulceration, oral discomfort, oral pain, tongue ulceration, mucosal dryness, mucosal

ncludes abdominal discomfort, abdominal pain, and abdominal pain upper cludes hematemesis, hematochezia, hematoma, hemoptysis, hemorrhage, melena, and metrorrhagia. Table 7 summarizes the laboratory abnormalities in Study 6.

Table 7. Laboratory Abnormalities Reported in ≥ 10% of Patients With pNET Who Received Sunitinib in Study 6

	pNET					
	Suni	tinib	Plac	ebo		
Laboratory Parameter	All Grades*	Grade 3 to 4*,a %	All Grades*	Grade 3 to 4*,b %		
Gastrointestinal AST increased Alkaline phosphatase increased ALT increased Total bilirubin increased Amylase increased Lipase increased	72 63 61 37 20 17	5 10 4 1 4 5	70 70 55 28 10	3 11 3 4 1 4		
Hematology Neutrophils decreased Hemoglobin decreased Platelets decreased Lymphocytes decreased	71 65 60 56	16 0 5 7	16 55 15 35	0 1 0 4		
Renal/Metabolic Glucose increased Albumin decreased Phosphorus decreased Calcium decreased Calcium decreased Creatinine increased Glucose decreased Ploassium decreased Magnesium decreased Magnesium decreased Magnesium decreased	71 41 36 34 29 27 22 21 19	12 1 7 0 2 5 2 4	78 37 22 19 34 28 15	18 1 5 0 3 5 4 0		

The denominator used to calculate the rate varied from 52 to 82 for sunitinib and 39 to 80 for Placebo based on the number of patients with a baseline value and at least one post-treatment value. Common Terminology Criteria for Adverse Events (CTCAE), version 3.0. Abbreviations: ALT=alanine aminotransferase: AST=aspartate aminotransferase: N=number of patients: pNET=pancreatic neuroendocrine tumors

a Grade 4 laboratory abnormalities in patients on sunitinib included creatinine (4%), lipase (4%), glucose decreased (2%), glucose increased (2%), neutrophils (2%), LT (1%), AST (1%), platelets (1%), potassium increased (1%), and total bilirubin (1%) Grade 4 laboratory abnormalities in patients on placebo included creatinine (3%), alkaline phosphatase (1%), glucose increased (1%), and lipase (1%).

n pooled safety population, 3.5% of patients experienced a venous thromboembolic event, including Grade 3 to 4 in 2.2% of patients.

Pancreatitis was observed in 5 patients (1%) receiving sunitinib for treatment-naïve RCC compared to 1 patient (< 1%) receiving interferon alfa. In a trial of patients receiving adjuvant treatment for RCC, 1 patient (< 1%) on sunitinib and none on placebo experienced pancreatitis. Pancreatitis was observed in 1 patient (1%) receiving sunitinib for pNET and 1 patient (1%) receiving placebo. 6.2 Postmarketing Experience

The following adverse reactions have been identified during post-approval use of sunitinib. 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.

population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to drug exposure.
Blood and lymphatic system disorders: hemorrhage associated with thrombocytopenia*.
Gastrointestinal disorders: esophagitis.
Hepatobiliary disorders: cholecystitis, particularly acalculous cholecystitis.
Immune system disorders: hyerenessitivity reactions, including angioedema.
Infections and infestations: serious infection (with or without neutropenia)*. The infections most commonly observed with sunitinib include respiratory, urinary tract, skin infections, and sepsis/septic shock.
Musculoskeletal and connective tissue disorders: fistual formation, sometimes associated with tumor necrosis and/or regression*;
myopathy and/or rhabdomyolysis with or without acute renal failure*.
Respiratory disorders: renal impairment and/or failure*.
Respiratory disorders: pulmonary embolism*, pleural effusion*.
Skin and subcutaneous tissue disorders: pyoderma gangrenosum, including positive de-challenges.
Vascular disorders: arterial (including aortic) aneurysms, dissections*, and rupture*; arterial thromboembolic events*. The most frequent events included cerebrovascular accident, transient ischemic attack, and cerebral infarction.
eneral disorders and administration site conditions*: impaired wound healing.
**including some fatalities*

DRUG INTERACTIONS 7.1 Effect of Other Drugs on Sunitinib

Strong CYP3A4 Inhibitors Co-administration with strong CYP3A4 inhibitors may increase sunitinib plasma concentrations [see Clinical Pharmacology (12.3)]. Select

tion with no or minimal enzyme inhibition potential. Consider a dose reduction for sunitinib when it is costered with strong CYP3A4 inhibitors [see Dosage and Administration (2.5)]. Co-administration with strong CYP3A4 inducers may **decrease** sunitinib plasma concentrations *[see Clinical Ph*

an alternate concomitant medication with no or minimal enzyme induction potential. Consider a dose increase for sunitinib when if must be co-administered with CYP3A4 inducers [see Dosage and Administration (2.5)].

Sunitinib is associated with QTc interval prolongation (see Warnings and Precautions (5.3), Clinical Pharmacology (12.2)). Monitor the QT interval with ECGs more frequently in patients who require treatment with concomitant medications known to prolong the QT interval. 8 USE IN SPECIFIC POPULATIONS

Based on animal reproduction studies and its mechanism of action, sunitinib can cause fetal harm when administered to a pregnant woman [see Clinical Pharmacology (12.1)]. There are no available data in pregnant women to inform a drug-associated risk. In animal developmental and reproductive toxicology studies, oral administration of sunitinib to pregnant rats and rabbits throughout organogenesis resulted in teratogenicity (embryolethality, craniofacial and skeletal malformations) at 5.5 and 0.3 times the combined AUC (the combined systemic exposure of sunitinib plus its active metabolite) in patients administered the recommended daily doses (RDD) of 50 mg, respectively (see Data). Advise females of reproductive potential of the potential risk to a fetus.

The estimated background risk of major birth defects and miscarriage for the indicated populations are unknown. 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 miscarriages in clinically recognized pregnancies is 2 to 4% and 15 to 20%, respectively.

In a female fertility and early embryonic development study, female rats were administered oral sunitinib (0.5, 1.5, 5 mg/kg/day) for 21 days prior to mating and for 7 days after mating. Embryolethality was observed at 5 mg/kg/day (approximately 5 times the combined AUC in patients administered the RDD of 50 mg).

In embryo-feat developmental toxicity studies, oral sunitinib was administered to pregnant rats (0.3, 1.5, 3, 5 mg/kg/day) and rabbits (0.5, 1, 5, 20 mg/kg/day) during the period of organogenesis. In rats, embryolethality and skeletal malformations of the ribs and vertebrae were observed at the dose of 5 mg/kg/day (approximately 2 5.5 times the combined AUC in patients administered the RDD of 50 mg). No adverse fetal effects were observed in rats at doses s 3 mg/kg/day (approximately 2 times the combined AUC in patients administered the RDD of 50 mg). In rabbits, embryolethality was observed at 5 mg/kg/day (approximately 2 times the combined AUC in patients administered the RDD of 50 mg). 50 mg), and craniofacial malformations (cleft lip and cleft palate) were observed at ≥ 1 mg/kg/day (approximately 0.3 times the combined AUC in patients administered the RDD of 50 mg).

Sunitinib (0.3, 1, 3 mg/kg/day) was evaluated in a pre- and postnatal development study in pregnant rats. Maternal body weight gains were reduced during gestation and lactation at doses ≥ 1 mg/kg/day (approximately 0.5 times the combined AUC in patients administered the RDD of 50 mg), A group of 50 mg). At 3 mg/kg/day (approximately 0.5 times the combined AUC in patients administered the RDD of 50 mg), reduced enonate body weights were observed at birth and persisted in the offspring of both sexes during the preweaning period and in males during postweaning period. No adverse developmental effects were observed at doses ≤ 1 mg/kg/day

rat milk at concentrations up to 12-fold higher than in plasma (see Data). Because of the potential for serious adverse reactions in breastfed infants, advise women not to breastfeed during treatment with sunitinib and for at least 4 weeks after the last dose. Animal Data lactating female rats administered 15 mg/kg, sunitinib and its metabolites were excreted in milk at concentrations up to 12-fold higher tha

There is no information reparding the presence of sunitinib and its metabolites in human milk. Sunitinib and its metabolites were excreted in

8.3 Females and Males of Reproductive Potential

unitinib can cause fetal harm when administered to a pregnant woman [see Use in Specific Populations (8.1)]. Pregnancy Testing erify pregnancy status of females of reproductive potential prior to initiating treatment with sunitinib

Contraception Advise females of reproductive potential to use effective contraception during treatment with sunitinib and for at least 4 weeks after the last dose.

Based on findings in animal reproduction studies, advise males with female partners of reproductive potential to use effective contraception during treatment with sunitinib and for 7 weeks after the last dose. Based on findings in animals, sunitinib may impair male and female fertility [see Nonclinical Toxicology (13.1)].

8.4 Pediatric use
The safety and effectiveness of sunitinib in pediatric patients have not been established. Safety and pharmacokinetics of sunitinib were assessed in an open-label study (NCT0487920) in pediatric patients 2 years to < 17 years of age (n = 29) with refractory solid tumors. In addition, efficacy, safety and pharmacokinetics of sunitinib was assessed in another open-label study (NCT0146695) in pediatric patients 2 years to < 17 years of age (n = 27) with high-grade glioma or ependymoma. The maximum tolerated dose (MTD) normalized for body surface area (85A) was lower in pediatric patients compared to adults. Sunitinib was poorly tolerated in pediatric patients. The occurrence of dose-limiting cardiotoxicity prompted an amendment of the NCT00387905 study to exclude patients with previous exposure to anthracyclines or cardiac radiation. No responses were reported in patients in either of the trials.</p> Apparent clearance and volume of distribution normalized for BSA for sunitinib and its active major metabolite were lower in pediatrics as compared to adults. The effect on open tibial growth plates in pediatric patients who received sunitinib has not been adequately studied. See Juvenile Animal

Juvenile Animal Toxicity Data Physeal dysplasia was present in cynomolgus monkeys with open growth plates treated with sunitinib for ≥ 3 months (3 month dosing 2, 6, 12 mg/kg/day; 8 cycles of dosing 0.3, 1.5, 6.0 mg/kg/day) at doses that were 12 mg/kg/day, 8 cycles of dosing 0.3, 1.5, 6.0 mg/kg/day) at doses that were
> 0.4 times the combined AUC (the combined Systemic exposure of sunitinib plus its active metabolite) in patients administered the RDD of
50 mg. The no-effect level (NOEL) was 1.5 mg/kg/day in monkeys treated intermittently for 8 cycles, but was not identified in monkeys treated
continuously for 3 months. In developing rast treated continuously for 3 months (1.5, 5.0, and 15.0 mg/kg) or 5 cycles (0.3, 1.5, and 6.0 mg/kg/day), bone abnormalities consisted of thickening of the epiphyseal cartilage of the femur and an increase of fracture of the tibia at
doses ≥ 5 mg/kg (approximately 10 times the combined AUC in patients administered the RDD of 50 mg). Additionally, tooth caries were
present in rats at > 5 mg/kg. The incidence and severity of physeal dysplasia were dose related and reversible upon cessation of treatment;
however, findings in the teeth were not. In rats, the NOEL in bones was ≤ 2 mg/kg/day.

Of 825 patients with GIST or metastatic RCC who received sunitinib on clinical studies, 277 (34%) were 65 years and older. In the pNET study, 22 patients (27%) who received sunitinib were 65 years and older. No overall differences in safety or effectiveness were observe between these patients and younger patients.

Among the 158 patients at least 65 years receiving adjuvant sunitinib/placebo for RCC, 50 patients (16%) were 65 years and older. The hazard ratio for disease-free survival was 0.59 (95% Cl: 0.36, 0.95). Among patients 65 years and older receiving adjuvant sunitinib/placebo for RCC, 50 patients (16%) in the sunitinib arm experienced a Grade 3 to 4 adverse reaction, compared to 15 patients (5%) in the placebo arm. 8.6 Hepatic Impairment

No dose adjustment is required in patients with mild or moderate (Child-Pugh Class A or B) hepatic impairment [see Clinical Pharmacology (12.3)]. Sunitinib was not studied in patients with severe (Child-Pugh Class C) hepatic impairment. 8.7 Renal Impairment No dose adjustment is recommended in patients with mild (CL_{cr} 50 to 80 mL/min), moderate (CL_{cr} 30 to < 50 mL/min), or severe (CL_{cr} < 30 mL/min) renal impairment who are not on dialysis [see Clinical Pharmacology (12.3)].

No dose adjustment is recommended for patients with end-stage renal disease (ESRD) on hemodialysis [see Clinical Pharmacology (12.3)].

Treatment of overdose with sunitinib should consist of general supportive measures. There is no specific antidote for overdosage with sunitinib. If indicated, elimination of unabsorbed drug should be achieved by emesis or gastric lavage. Cases of accidental overdose have been reported; these cases were associated with adverse reactions consistent with the known safety profile of sunitinib, or without adverse reactions. In onclinical studies, mortality was observed following as few as 5 daily doses of 500 mg/kg (300 mg/m²) in rats. At this dose, signs of toxicity included impaired muscle coordination, head shakes, hypoactivity, ocular discharge, piloerection, and gastrointestinal distress. Mortality and similar signs of toxicity were observed at lower doses when administered for longer durations. 11 DESCRIPTION

Sunitinib is a kinase inhibitor present in sunitinib malate capsules as the malate salt. Sunitinib malate is described chemically as N-[2-Diethylamino)ethyl]-5-[(2]-(5-fluoro-1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-2,4-dimethyl-1H-pyrrole-3-carboxamide, compound with S)-2-hydroxybutanedioic acid. The molecular formula is $C_{22}H_{27}FN_4O_2$. $C_4H_6O_5$ and the molecular weight is 532.57 Daltons. The chemical structure of sunitinib malate is:

Sunitinib malate is light yellow to brownish orange colored powder with a pKa of 8.95. The solubility of sunitinib malate in aqueous media over the range pH 1.2 to pH 6.8 is in the range of 12 to 70 mg/mL. The log of the distribution coefficient (octanol/water) at pH 7 is 5.2. Sunitinib malate capsules are supplied as printed hard shell capsules containing 12.5 mg, 25 mg, 37.5 mg or 50 mg of sunitinib (equivalent to 16.7 mg, 33.4 mg, 50.1 mg, or 66.8 mg of sunitinib malate, respectively) together with croscarmellose sodium, magnesium stearate,

to 16.7 mg, 33.4 mg, 50.1 mg, or 66.8 mg of suntimin malate, respectively) together with croscarmellose sodium, magnesium stearate, mannitol and povidone (K-30) as inactive ingredients.

The reddish brown gelatin capsule shells contain ferric oxide red and titanium dioxide. The caramel gelatin capsule shells contain ferric oxide red, ferric oxide yellow, ferrosoferric oxide and titanium dioxide. The yellow gelatin capsule shells contain ferric oxide yellow and titanium dioxide. The white printing ink contains potassium hydroxide, shellac and titanium dioxide. The black printing ink contains ferrosoferric oxide, potassium hydroxide and shellac.

12 CLINICAL PHARMACOLOGY 12.1 Mechanism of Action

12.1 Mechanism of Action

Suntinib is a small molecule that inhibits multiple receptor tyrosine kinases (RTKs), some of which are implicated in tumor growth, pathologic angiogenesis, and metastatic progression of cancer. Sunitinib was evaluated for its inhibitory activity against a variety of kinases (> 80 kinases) and was identified as an inhibitor of platelet-derived growth factor receptor (PDGFRc and PDGFRg), vascular endothelial growth factor receptor (YEGFR1, VEGFR2, and VEGFR3), stem cell factor receptor (KIT), Fins-like tyrosine kinase-3 (FLT3), colony stimulating factor receptor Type 1 (CSF-1R), and the glial cell-line derived neurotrophic factor receptor (RET). Sunitinib inhibition of the activity of these RTKs has been demonstrated in blochemical and cellular assays, and inhibition of function has been demonstrated in cell proliferation assays. The primary metabolite exhibits similar potency compared to sunitinib in biochemical and cellular assays.

Sunitinib inhibited the phosphorylation of multiple RTKs (PDGFRB, VEGFR2, KIT) in tumor xenografts experiental models of cancer. Sunitinib enterprise in some experimental models of cancer. Sunitinib

demonstrated inhibition of timor growth or tumor regression and/or inhibited mefastases in some experimental models of cancer. Sunitinib demonstrated the ability to inhibit growth of tumor cells expressing dysregulated target RTKs (PDGFR, RET, or KIT) *in vitro* and to inhibit PDGFRp- and VEGFR2-dependent tumor angiogenesis *in vivo*. 12.2 Pharmacodynamics Suntinib can cause OT interval prolongation in a dose-dependent manner, which may lead to an increased risk for ventricular arrhythmias including Torsade de Pointes [see Warnings and Precautions (5.3)].

12.3 Pharmacokinetics

12.3 'Plarmacokinetics
The pharmacokinetics of sunitinib and sunitinib malate have been evaluated in healthy subjects and in patients with solid tumors.

Sunitinib AUC and C_{max} increase proportionately over a dose range of 25 mg to 100 mg (0.5 to 2 times the approved RDD of 50 mg). The pharmacokinetics were similar in healthy subjects and in patients with a solid tumor, including patients with GIST and RCC. No significant changes in the pharmacokinetics of sunitinib or the primary active metabolite were observed with repeated daily administration, sunitinib accumulates 3- to 4-fold while the primary abolite accumulates 7- to 10-fold. Steady-state concentrations of sunitinib and its primary active metabolite are achieved within 10 to 14 days. By Day 14, combined plasma concentrations of sunitinib and its active metabolite ranged from 63 to 101 ng/mL.

Following oral administration of sunitinib, the time to maximum plasma concentration (T_{max}) ranged from 6 to 12 hours.

The administration of a single dose of sunitinib 50 mg with a high-fat, high-calorie meal (consisting of approximately 150 protein calories

and 500 to 600 fat calories) in healthy subjects had no clinically significant effect on sunitinib or active metabolites exposure.

The apparent volume of distribution (Vd/F) for sunitinib is 2230 L. Binding of sunitinib and its primary active metabolite to human plasma protein in vitro is 95% and 90%, respectively, with no concentration dependence in the range of 100 to 4000 ng/mL

ing administration of a single oral dose in healthy subjects, the terminal half-lives of sunitinib and its primary active metabolite are kimately 40 to 60 hours and 80 to 110 hours, respectively. Sunitinib total oral clearance (CL/F) ranged from 34 to 62 L/h with an interpatient variability of 40%.

Suntitinib is metabolized primarily by CYP3A4 to its primary active metabolite, which is further metabolized by CYP3A4. The primary active metabolite comprises 23% to 37% of the total exposure. After a radiolabeled dose, sunitinib and its active metabolite were the major compounds identified in plasma, accounting for 92 % of radioactivity.

After a radiolabeled dose of sunitinib, approximately 61% of the dose was recovered in feces and 16% in urine

 $Sunitinib \ and \ its \ primary \ active \ metabolite \ were \ the \ major \ compounds \ identified \ in \ urine \ and \ feces, \ representing \ 86\% \ and \ 74\% \ of \ radioactivity,$ Specific Populations No clinically significant differences in the pharmacokinetics of sunitinib or the primary active metabolite were observed based on age (18 to 84 years), body weight (34 to 168 kg), race (White, Black, or Asian), sex, Eastern Cooperative Oncology Group (ECOG) score, mild (Child-Pugh Class A) or moderate (Child-Pugh Class B) hepatic impairment.

Patients with Renal Impairment No clinically significant differences in the pharmacokinetics of sunitinib or its active metabolite were predicted or observed in patients with mild (CLcr 50 to 80 mL/min), moderate (CLcr 30 to 4.50 mL/min), or severe (CLcr <30 mL/min) renal impairment who are not on dialysis, compared to patients with normal renal function (CLcr >80 mL/min). Although sunitinib was not eliminated through hemodialysis, the sunitinib systemic exposure was 47% lower in patients with end stage renal disease (ESRD) on hemodialysis compared to patients with normal renal function. <u>Drug Interaction Studies</u>

Effect of strong CYP3A4 inhibitors on sunitinib. Co-administration of a single sunitinib dose with ketoconazole (strong CYP3A4 inhibitor) increased the combined sunitinib and its active metabolite C_{max} and AUCO-inf by 49% and 51%, respectively, in healthy subjects. Effect of strong CYP3A4 inducers on sunitinib: Co-administration of a single sunitinib dose with rifampin (strong CYP3A4 inducer) reduced the combined sunitinib and its active metabolite C_{max} and $AUC_{0\text{-inf}}$ by 23% and 46%, respectively in healthy subjects.

In vitro studies in human hepatocytes and microsomes indicated that sunitinib and the primary active metabolite do not induce CYP1A2, CYP2E1, and CYP3A4/5, or inhibit CYP1A2, CYP2A6, CYP2B6, CYP2C8, CYP2C9, CYP2C19, CYP2D6, CYP2E1, CYP3A4/5, and CYP4A9/11

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility
The carcinogenic potential of sunitinib has been evaluated in 2 species: rasH2 transgenic mice and Sprague-Dawley rats. There were simila positive findings in both species. In rasH2 transgenic mice, gastroduodenal carcinomas and/or gastric mucosal hyperplasia, as well as an increased incidence of background hemangiosarcomas were observed at sunitinit daily doses of ≥ 25 mg/kg/day in studies of 1 or 6 months duration. No proliferative changes were observed at sunitinit daily doses of ≥ 25 mg/kg/day in studies of 1 or 6 months duration. No proliferative changes were observed in rasH2 transgenic mice at 8 mg/kg/day, Smillarly, in a 2-year rat carcinogenicity study, administration of sunitinity in 28-day cycles followed by 7-day dose-free periods resulted in findings of duodenal carcinoma at doses as low as 1 mg/kg/day [approximately 0.9 times the combined AUC (combined systemic exposure of sunitinib plus its active metabolite) in patients administered the RDD of 50 mg]. At the high dose of 3 mg/kg/day (approximately 8 times the combined AUC in patients administered the RDD of 50 mg), the incidence of duodenal tumors was increased and was accompanied by findings of gastric mucous cell hyperplasia and by an increased incidence of pheochromocytoma and hyperplasia of the adrenal gland.

Sunitinib did not cause genetic damage when tested in *in vitro* assays (bacterial mutation (Ames test), human lymphocyte chromosome aberration] and an *in vivo* rat bone marrow micronucleus test.

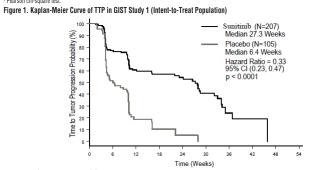
In a female fertility and early embryonic development study, female rats were administered oral sunitinib (0.5, 1.5, 5 mg/kg/day) for 21 days in a letinal returnly and early entity prior to making and the return of the prior to making and for 7 days after making. Preimplantation loss was observed in females administered of any mykg/day (approximately 5 times the combined AUC in patients administered the RDD of 50 mg). No adverse effects on fertility were observed at doess < 1.5 mg/kg/day (approximately 5 times the combined AUC in patients administered the RDD of 50 mg). No addition, effects on the female reproductive system were identified in a 3-month oral repeat-dose monkey study (2, 6, 12 mg/kg/day). Ovarian changes (decreased follicular development) were noted at 12 mg/kg/day (approximately 5 times the combined AUC in patients administered the RDD of 50 mg), while uterine changes (endometrial atrophy) were noted at 2 mg/kg/day (approximately 0.4 times the combined AUC in patients administered the RDD of 50 mg). With the addition of vaginal atrophy, the uterine and ovarian effects were reproduced at 6 mg/kg/day (approximately 0.8 times the combined AUC in patients administered the RDD of 50 mg) in a 9-month monkey study (0.3, 1.5, and 6 mg/kg/day administered daily for 28 days ollowed by a 14-day respite)

In a male fertility study, no reproductive effects were observed in male rats dosed with 1, 3, or 10 mg/kg/day oral sunitinib for 58 days prior to mating with untreated females. Fertility, copulation, conception indices, and sperm evaluation (morphology, concentration, and motility) were unaffected by sunitinib at doses \leq 10 mg/kg/day (approximately \geq 26 times the combined AUC in patients administered the RDD of 50 mg). 14 CLINICAL STUDIES

had disease progression during prior imatinib mesylate (imatinib) treatment or who were intolerant of imatinib. The objective was to compare time-to-tumor progression (TTP) in patients receiving sunitinib plus best supportive care versus patients receiving placebo plus best supportive care. Other objectives included progression-free survival (FS), objective response rate (ORR), and overall survival (OS). Patients were randomized (2:1) to receive either 50 mg sunitinib or placebo orally, once daily, on Schedule 4/2 until disease progression or withdrawal from he study for another reason. Treatment was unblinded at the time of disease progression. Patients randomized to placebo were then offered prossover to open-label sunitinib and patients randomized to sunitinib were permitted to continue treatment per investigator judgment. crossover to open-label suntlinib and patients randomized to suntlinib were permitted to continue treatment per investigator judgment. At the time of a prespecified interim analysis, the intent-to-treat (ITT) population included 312 patients. Two hundred seven (207) patients were randomized to the suntlinib arm and 105 patients were randomized to the placebo arm. Demographics were comparable between the suntlinib and placebo groups with regard to age (69% versus 72% < 65 years for suntlinib versus placebo, respectively), sex (male: 64% versus 161%, race (White: 88% both arms, Asian: 5% both arms, Black: 4% both arms, remainder not rend), and performance status (ECOG 0: 44% versus 46%, ECOG 1: 55% versus 52%, and ECOG 2: 1% versus 2%). Prior treatment included surgery (94% versus 93%) and radiotherapy (8% versus 16%). Outcome of prior imatinib treatment was also comparable between arms with intolerance (4% versus 4%), progression within 6 months of starting treatment (17% versus 16%), or progression beyond 6 months (78% versus 80%) balanced.

The planned interim efficacy and safety analysis was performed after 149 TTP events had occurred. There was a statistically significant advantage for sunitinib over placebo in TTP, meeting the primary endpoint. Efficacy results are summarized in Table 8 and the Kaplan-Meier curve for TTP is shown in Figure 1.

Efficacy Parameter	Sunitinib (N = 207)	Placebo (N = 105)	p-value (log-rank test)	HR (95% CI)
Time-to-tumor progression ^a [median, weeks (95% CI)]	27.3 (16.0, 32.1)	6.4 (4.4, 10.0)	< 0.0001*	0.33 (0.23, 0.47)
Progression-free survival ^b [median, weeks (95% CI)]	24.1 (11.1, 28.3)	6.0 (4.4, 9.9)	< 0.0001	0.33 (0.24, 0.47)
Objective response rate (PR) [%, (95% CI)]	6.8	0	0.006 ^c	



ions: Cl=confidence interval; GIST=gastrointestinal stromal tumor; N=number of patients; TTP=time-to-tumor progre Appreciations: C1-conneces interval; G151-gastrointesinal stromal tumor; Ne-number of panents; ITP-tume-to-tumor progression.

The final ITT population enrolled in the double-blind treatment phase of the study included 243 patients randomized to the sunitinib arm and 118 patients randomized to the placebo arm. After the primary endpoint was met at the interim analysis, the study was unblinded, and patients on the placebo arm were offered open-label sunitinib treatment. Minety-nine (99) of the patients initially randomized to placebo crossed over to receive sunitinib in the open-label treatment phase. At the protocol specified final analysis of 05, the main and 8x as 72.7 weeks for the sunitinib arm and 64.9 weeks for the placebo arm [hazard ratio (HR) = 0.876, 95% confidence interval (CI) (0.679, 1.129)].

Study 2 was an open-label, multi-center, single-arm, dose-escalation study conducted in patients with GIST following progression on, or intolerance to imatinib. Following identification of the recommended regimen (50 mg once daily on Schedule 4/2), 55 patients in this study received the 50 mg dose of sunitinib on treatment Schedule 4/2. Partial responses (PR) were observed in 5 of 55 patients (9.1% PR rate; 95% CI: 3.0%, 20.0%). 14.2 Renal Cell Carcinoma

Study 3 (NCT#00083889) was a multi-center, international, randomized study comparing single-agent sunitinib with interferon alfa was conducted in patients with treatment-naive RCc. The objective was to compare PFS in patients receiving sunitinib versus patients receiving interferon alfa. Other endpoints included ORR, OS, and safety. Seven hundred fifty (750) patients were randomized (1:1) to receive either 50 mg sunitinib once daily on Schedule 4/2 or to receive interferon alfa administered subcutaneously at 9 million international units (MIU) 3

ng sunitinib once daily on Schedule 4/2 or to receive interferon afta administeréd subcutaneously at 9 million international units (MIU) 3 times a week. Patients were treated until disease progression or withdrawal from the study.

The ITT population included 750 patients, 375 randomized to sunitinib and 375 randomized to interferon affa. Demographics were comparable between the sunitinib and interferon affa groups with regard to age (59% versus 67% < 65 years for sunitinib versus interferon affa, respectively), sex (male: 719% versus 19%, race (White: 94% versus 19%, Asian: 29% versus 37%, Black: 19% versus 38%, and radiotherapy (14% each arm). The most common site of metastases present at screening was the lung (78% versus 80%, respectively), followed by the lymph nodes (58% versus 53%, respectively) and bone (30% each arm); the majority of the patients had multiple (2 or more) metastatic sites at baseline (80% versus 77%, respectively). There was a statistically significant advantage for sunitinib over interferon alfa in the endpoint of PFS (see Table 9 and Figure 2). In the prespecified stratification factors of factate dehydrogenase (LDH) (> 1.5 ULN versus < 1.5 ULN), ECOG performance status (0 versus 1), and prior nephrectomy (yes versus no), the hazard ratio favored sunitinib over interferon alfa. The ORR was higher in the sunitinib arm (see Table 9).

Efficacy Parameter	Sunitinib (N = 375)	Interferon Alfa (N = 375)	p-value (log-rank test)	HR (95% CI)
Progression-free survival ^a [median, weeks (95% CI)]	47.3 (42.6, 50.7)	22.0 (16.4, 24.0)	< 0.000001 ^b	0.415 (0.320, 0.539)
Objective response rate ^a [%, (95% CI)]	27.5 (23.0, 32.3)	5.3 (3.3, 8.1)	< 0.001°	NA

utions: Cl=confidence interval; HR-hazard ratio; N=number of patients; NA=not applicable; RCC=renal cell carcinom ed by blinded core radiology laboratory; 90 patients' scans had not been read at time of analysis. parison is considered statistically significant if the p-value is < 0.0042 (O'Brien Fleming stopping boundary).

Figure 2. Kaplan-Meier Curve of PFS in Treatment-Naïve RCC Study 3 (Intent-to-Treat Population) IFN-α (N=375) Median 22.0 Weeks

Abbreviations: CI=confidence interval; INF-ox-interferon-alfa; N=number of patients; PFS=progression-free survival; RCC=renal cell carcinoma.

At the protocol-specified final analysis of OS, the median OS was 114.6 weeks for the sunitinib arm and 94.9 weeks for the interferon alfa arm (IHR = 0.821; 95% CI: 0.673, 1.001). The median OS for the interferon alfa arm includes 25 patients who discontinued interferon alfa treatment because of disease progression and crossed over to treatment with sunitinib as well as 121 patients (32%) on the interferon alfa arm who received post-study cancer treatment with sunitinib.

Cytokine-Heiractory. The use of single-agent sunitinib in the treatment of cytokine-refractory RCC was investigated in 2 single-arm, multi-center studies. All patients enrolled into these studies experienced failure of prior cytokine-based therapy. In Study 4 (NCT#00077974), failure of prior cytokine therapy was based on radiographic evidence of disease progression defined by response evaluation criteria in solid tumors (RECIST) or World Health Organization (WHO) criteria during or within 9 months of completion of 1 cytokine therapy treatment (interferon alfa, interfeukin-2, interferon alfa plus interleukin-2; patients who were treated with interferon alfa alone must have received treatment for at least 28 days). In Study 5 (NCT#0005486), failure of prior cytokine therapy was defined as disease progression or unacceptable treatment-related toxicity. The endpoint for both studies was ORR. Duration of response (DR) was also evaluated.

One hundred and six patients (106) were enrolled into Study 4 and 63 patients were enrolled into Study 5. Patients received 50 mg sunitinib One hundred and six patients (106) were enrolled into Study 4 and 63 patients were enrolled into Study 5. Patients received 50 mg sunitinib on Schedule 4/2. Therapy was continued until the patients met withdrawal criteria or had progressive disease. The baseline age, sex, race, and ECOG performance statuses of the patients were comparable between Studies 4 and 5. Approximately 86% to 94% of patients in the 2 studies were White. Men comprised 65% of the pooled population. The median age was 57 years and ranged from 24 to 87 years in the studies. All patients had an ECOG performance status < 2 at the screening visit.

The baseline malignancy and prior treatment history of the patients were comparable between Studies 4 and 5. Across the 2 studies, 95% of the pooled population of patients had at least some component of clear-cell histology. All patients in Study 4 were required to have a histological clear-cell component. Most patients enrolled in the studies (97% of the pooled population) had undergone nephrectomy; prior nephrectomy was required for patients enrolled in Study 4. All patients had received 1 previous cytokine regimen. Metastatic disease present at the time of study entry included lung metastases in 81% of patients. Liver metastases were more common in Study 4 versus 16% in Study 5) and bone metastases were more common in Study 4 to 87 versus 16% in Study 5) and bone metastases were more common in Study 4 usus 4 as assessed by a core radiology laboratory. The ORR and DR data from Studies 4 and 5 are provided in Table 10. There were 68 PFs in Study 4 as assessed by a core radiology laboratory.

Cl: 24.7%, 49.6%). The majority (> 90%) of objective disease responses were observed during the first 4 cycles; the latest reported response was observed in Cycle 10. DR data from Study 4 is premature as only 9 of 36 patients (25%) responding to treatment had experienced disease progression or died at the time of the data cutof

Table 10. Cytokine-Refractory RCC Efficacy Results from Study 4 and Study 5							
Efficacy Parameter	Study 4 (N = 106)	Study 5 (N = 63)					
Objective response rate [%, (95% CI)]	34.0 ^a (25.0, 43.8)	36.5 ^b (24.7, 49.6)					
Duration of response [median, weeks (95% CI)]	NR* (42.0. *)	54 ^b					

The ORR and DR data from Studies 4 and 5 are provided in Table 10. There were 36 PRs in Study 4 as assessed by a core radiology la re UNH and UN data from Studies 4 and 5 are provided in Lable 10. There were 36 PRs in Study 4 as assessed by a core radiology laboratory r an ORR of 34.0% (95% Cl: 25.0%, 43.8%). There were 23 PRs in Study 5 as assessed by the investigators for an ORR of 36.5% (95% Cl) and the control of t

*Data not mature enough to determine upper confidence limit.

Abbreviations: Cl=confidence interval; N=number of patients; NR=not reached; RCC=renal cell carcinoma

*Assessed by blinded core radiology laboratory. Adjuvant Treatment Adjuvant Treatment setting, sunitinib was investigated in S-TRAC (NCT#00375674), a multi-center, international, randomized, double-blind, placebo-controlled, trial in patients with high risk of recurrent RCC following nephrectomy. Patients were required to have clear cell histology and high risk of recurrence defined as ≥ T3 and/or N+ tumors. Six hundred fifteen (615) patients were randomized 1:1 to receive either 50 mg sunitinib none daily on Schedule 4/2 or placebo. Patients were treated for 9 cycles (approximately 1 year), or until disease recurrence, unacceptable toxicity, or withdrawal of consent.

Demographics were generally comparable between the sunitinib and placebo arms with regard to age (median age 58 years), sex (73% male), and race (84% White, 12% Asian and 4% Other). At randomization, most patients had an ECOG performance status of 0 (74% sunitinib and 72% placebo). The remainder of the patients had an ECOG performance status of 1; 1 patient on sunitinib had a performance status of 2. The major efficacy outcome measure was disease-free survival (DFS) in patients receiving sunitinib versus placebo as assessed by blinded independent central review (BICR). Overall survival was an additional endpoint. There was a statistically significant improvement in DFS in patients who were treated with sunitinib compared to placebo (Table 11 and Figure 3). Prespecified subgroup analyses are presented in Table 12. At the time of the DFS analysis, overall survival data were not mature, with 141/615 (23%) patient deaths.

	Sunitinib N = 309	Placebo N = 306	p-value ^a	HR ^a (95% CI)
Median DFS [years (95% CI)]	6.8 (5.8, NR)	5.6 (3.8, 6.6)	0.03	0.76 (0.59, 0.98)
DFS Events	113 (36.6%)	144 (47.1%)		
5 Year DFS Rate	59.3%	51.3%		

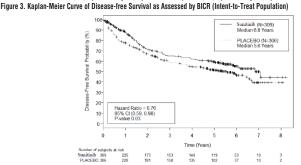
Abbreviations: BICR=blinded independent central review; CI=confidence interval; DFS=disease-free survival; HR=hazard ratio; N=number of patients; RCC=renal cell

Table 12. Disease-free Survival by Baseline Disease Characteristics

	Number of I	Events/Total /N		nn DFS 95% CI)]	HR ^a (95% CI)
	Sunitinib	Placebo	Sunitinib	Placebo	
T3 Intermediate ^b	35/115	46/112	NR (5.2, NR)	6.4 (4.7, NR)	0.82 (0.53, 1.28)
T3 High ^c	63/165	79/166	6.8 (5.0, NR)	5.3 (2.9, NR)	0.77 (0.55, 1.07)
T4/Node Positive ^d	15/29	19/28	3.5 (1.2, NR)	1.7 (0.4, 3.0)	0.62 (0.31, 1.23)

Abbreviations: CI=confidence interval; DFS=disease-free survival; HR=hazard ratio; N=number of patients; n=number of events; NR=not reached ediate: T3, N0 or NX, M0, any Fuhrman's grade, ECOG PS 0 OR T3, N0 or NX, M0, Fuhrman's grade 1, ECOG PS ≥ 1

c T3 High: T3, N0 or NX, M0, Fuhrman's grade ≥ 2, ECOG PS ≥ 1 ositive: T4, N0 or NX, M0, any Fuhrman's grade, any ECOG PS OR Any T, N1-2, M0, any Fuhrman's grade, any ECOG PS



14.3 Pancreatic Neuroendocrine Tumors

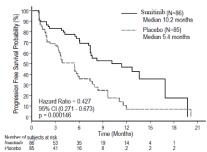
14.3 Faultratum temperature in the property of the patients were required to have documented RECIST-defined disease progression within the conducted in patients with unresectable pNET. Patients were required to have documented RECIST-defined disease progression within the prior 12 months and were randomized (1:1) to receive either 37.5 mg sunitinils (N = 86) or placebo (N = 85) once daily without a scheduled oft-treatment period. The primary objective was to compare PS in patients receiving unlinib versus patients receiving placebo. Other endpoints included OS, ORR, and safety. Use of somatostatin analogs was allowed in the study.

Demographics were comparable between the sunitini and placebo groups. Additionally, 49% of sunitinib patients had nonfunctioning tumors vs 52% of placebo patients, and 92% patients in both arms had liver metastases. A total of 66% of sunitinib patients received prior systemic therapy compared with 72% of placebo patients and 35% of sunitinib patients had received somatostatin analogs compared with 38% of placebo patients. Patients were treated until disease progression or withdrawal from the study. Upon disease progression or study closure, patients were offered access to sunitinib in a separate extension study. As recommended by the Independent Data Monitoring Committee, the study was terminated prematurely prior to the prespecified interim analysis. This may have led to an overestimate of the magnitude of PFS effect. A clinically significant improvement for sunitinib over placebo in PFS was seen by both investigator and independent assessment. A hazard ratio favoring sunitinib was observed in all subgroups of baseline characteristics evaluated. OS data were not mature at the time of the analysis. There were 9 deaths in the sunitinib arm and 21 deaths in the placebo arm. A statistically significant difference in ORR favoring sunitinib over placebo was observed. Efficacy results are summarized in Table 13 and the Kaplan-Meier curve for PFS is in Finure 4.

Table 13 and the Raphan-Metel Curve for 17.3 is in Figure 4. Table 13. pNET Efficacy Results from Study 6				
Efficacy Parameter	Sunitinib (N = 86)	Placebo (N = 85)	p-value	HR (95% CI)
Progression-free survival [median, months (95% CI)]	10.2 (7.4, 16.9)	5.4 (3.4, 6.0)	0.000146a	0.427 (0.271, 0.673)
Objective response rate [%, (95% CI)]	9.3 (3.2, 15.4)	0	0.0066 ^b	NA

Abbreviations: CI=confidence interval; HR=hazard ratio; N=number of patients; NA=not applicable; pNET=pancreatic neuroendocrine tumors

Figure 4. Kaplan-Meier Curve of PFS in the pNET Study 6



16 HOW SUPPLIED/STORAGE AND HANDLING

37.5 mg capsules

Hard gelatin capsule with opaque reddish brown cap and opaque reddish brown body, self-lock capsule, imprinted with 'RM53' on cap and 'RM53' on body in white ink, containing yellow to orange colored powder; available in

25 mg capsules Hard gelatin capsule with opaque caramel cap and opaque reddish brown body, self-lock capsule, imprinted with 'RM54' on cap and 'RM54' on body in white ink, containing yellow to orange colored powder; available in:

Bottles of 28 capsules with child-resistant closure:

NDC 63304-092-27 Carton of 28 capsules (4 x 7 Unit-dose):

Hard gelatin capsule with opaque yellow cap and opaque yellow body, self-lock capsule, imprinted with 'RM55' on cap and 'RM55' on body in black ink, containing yellow to orange colored powder, available in: Bottles of 28 capsules with child-resistant closure: Carton of 28 capsules (4 x 7 Unit-dose) 50 mg capsules Hard gelatin capsule with opaque caramel cap and opaque caramel body, self-lock capsule, imprinted with 'RM56' on cap and 'RM56' on

body in white ink, containing Yellow to orange colored powder ; available in:

Bottles of 28 capsules with child-resistant closure:

NDC 6

Carton of 28 capsules (4 x 7 Unit-dose):

NDC 6 Store at 20°C to 25°C (68°F to 77°F); excursions permitted between 15°C and 30°C (59°F and 86°F) [See USP Controlled Room Temperature].

17 PATIENT COUNSELING INFORMATION

Advise the patient to read the FDA-approved patient labeling (Medication Guide).

QT Prolongation and Torsade de Pointes

Thyroid Dysfunction

Concomitant Medications

Inform patients of the signs and symptoms of hepatotoxicity. Advise patients to contact their healthcare provider immediately for signs or symptoms of hepatotoxicity [see Warnings and Precautions (5.1)]. Advise patients to contact their healthcare provider if they develop symptoms of heart failure [see Warnings and Precautions (5.2)].

Inform patients of the signs and symptoms of QT prolongation. Advise patients to contact their healthcare provider immediately in the event of syncope, pre-syncopal symptoms, and cardiac palpitations [see Warnings and Precautions (5.3)]. Inform patients of the signs and symptoms of hypertension. Advise patients to undergo routine blood pressure monitoring and to contact their health care provider if blood pressure is elevated or if they experience signs or symptoms of hypertension [see Warnings and Precautions (5.4)]. Advise patients that sunitinib malate capsules can cause severe bleeding. Advise patients to immediately contact their healthcare provider for bleeding or symptoms of bleeding [see Warnings and Precautions (5.5)].

Advise patients that gastrointestinal disorders such as diarrhea, nausea, vomiting, and constipation may develop during sunitinib malate capsules treatment and to seek immediate medical attention if they experience persistent or severe abdominal pain because cases of gastrointestinal perforation and fistula have been reported in patients taking sunitinib malate capsules (see Warnings and Precautions (5.5), and Adverse Reactions (6.1)]. **Dermatologic Effects and Toxicities**

Definational Control of the hair or skin may occur during treatment with sunitinib malate capsules due to the drug color (yellow). Other possible dermatologic effects may include dryness, thickness or cracking of skin, blister or rash on the palms of the hands and soles of the feet. Severe dermatologic toxicities included greeness—obnson syndrome, Toxic Epidermal Necrolysis, erythema multiforme, and necrotizing fasciitts have been reported. Advise patients to immediately inform their healthcare provider if severe dermatologic reactions occur [see Warnings and Precautions (5.9), and Adverse Reactions (6.1)]. Reversible Posterior Leukoencephalopathy Syndrome Inform patients of the signs and symptoms of reversible posterior leukoencephalopathy syndrome. Advise patients to contact their healthcare provider if they develop symptoms of reversible posterior leukoencephalopathy syndrome [see Warnings and Precautions (5.10)].

Advise patients that sunitinib malate capsules can cause thyroid dysfunction. Advise patient to contact their healthcare provider if symptoms of abnormal thyroid function occur [see Warnings and Precautions (5.11)]. Advise patients that sunitinib malate capsules can cause severe hypoglycemia and may be more severe in patients with diabetes taking antidiabetic medications. Inform patients of the signs, symptoms, and risks associated with hypoglycemia. Advise patients to immediately inform their healthcare provider if severe signs or symptoms of hypoglycemia occur [see Warnings and Precautions (5.12)]. Osteonecrosis of the Jaw

Advise patients regarding good oral hygiene practices and to inform their healthcare provider of any planned dental procedures. Advise patients to immediately contact their healthcare provider for signs or symptoms associated with osteonecrosis of the jaw [see Warnings and Precautions (5.13)]. Impaired Wound Healing Advise patients that sunitinib malate capsules impairs wound healing. Advise patients to inform their healthcare provider of any planned surgical procedures [see Warnings and Precautions (5.14)].

Advise patients to inform their healthcare providers of all concomitant medications, including over-the-counter medications and dietary

nts [see Drug Interactions (7), Embryo-Fetal Toxicity Advise pregnant women of the potential risk to a fetus. Advise females of reproductive potential to inform their healthcare provider of a known or suspected pregnancy [see Warnings and Precautions (5.15), Use in Specific Populations (8.1)1.

Advise males with female partners of reproductive potential to use effective contraception during treatment and for 7 weeks after receiving the last dose of sunitinib malate capsules [see Use in Specific Populations (8.3)] Advise women not to breastfeed during treatment with sunitinib malate capsules and for at least 4 weeks after the last dose [see Use in

Advise females of reproductive potential to use effective contraception during treatment and for 4 weeks after receiving the last dose of sunitinib malate capsules [see Use in Specific Populations (8.3)].

Advise patients that sunitinib malate capsules may impair male and female fertility [see Use in Specific Populations (8.3), Nonclinical Toxicology Advise patients that miss a dose of sunitinib malate capsules by less than 12 hours to take the missed dose right away. Advise patients that miss a dose of sunitinib malate capsules by more than 12 hours to take the next scheduled dose at its regular time.

Manufactured by: **Sun Pharmaceutical Industries Ltd.** Survey No. 259/15, Dadra-396 191 (U.T. of D & NH), India. Distributed by: . eutical Industries Inc nbury, NJ 08512

December 2020