### indicated conditions are unresponsive to conventional first line therapies. Because of significant side effects associated with its use, ACCUTANE should be reserved for patients where the

ACCUTANE is generally indicated. the risk of teratogenicity in females of child bearing age and who are experienced in counselling young adults for whom DACUTANE should only be prescribed by physicians knowledgeable in the use of retinoids systemically, who understand

psychiatric illness. A careful assessment of the patient's mental state should be made, including whether or not they have a history of previous

should be limited to 30 days of treatment and continuation of treatment requires a new prescription. patients to return for follow-up to monitor side-effects. Prescriptions of ACUDANE for women of child-bearing potential It is strongly recommended that each AUDAD preciption be limited to a one-month supply in order to encourage

# Pediatrics

consideration, especially for those patients where a known metabolic or structural bone disease exists. the treatment of severe recalcitrant nodular acne in pediatric patients ages 12 to 17 years should be given careful The use of ROUTNARE in pediatric patients less than 12 years of age is not recommended. The use of ACOUTNE for

# Somferiatrics

with isotretinoin therapy. responses between elderly and younger patients, effects of aging might be expected to increase some risks associated they respond differently from younger subjects. Although reported clinical experience has not identified differences in Clinical studies of SATUSD and not include sufficient numbers of subjects aged 65 years and over to determine whether

#### <u>Contraindications</u>

See full Product Monograph for complete contraindication. born to women who became pregnant during treatment with ACCUTANE in any amount, even for a short period of time. least one month after its discontinuation. ADCTANE causes severe birth defects in a very high percentage of intants ADSULTANE is contraindicated in pregnancy. Females must not become pregnant while taking ACUTANE or for at

- Breastfeeding women
- Hepatic and renal insufficiency
- A sisonimstivnaqvH
- Patients with excessively elevated blood lipid values
- Patients who are sensitive to isotretinoin, or to any of the excipients Patients taking tetracyclines

# Most serious warnings and precautions

- and signature, and monthly pregnancy reminders for physicians to use at each patient visit during the treatment period. parients of childbesting potential, detailed information on birth control options, a patient informed consent for review about the potential risks of this drug, a checklist for criteria which <u>must</u> be met prior to prescribing this drug to female use Hoffmann-La Roche Limited's PREGNANCY PREVENTION PROGRAM®, which includes comprehensive information of use" are met. In addition, when prescribing this drug to female patients of childbearing potential, physicians <u>must</u> prescribe ACUT to females of childbearing potential if ALL the conditions described below under "Granditions of Pregnancy Prevention: Physicians should only
   Pregnancy. Physicians should only
- Conditions of Use:
- not responded to standard therapy, including systemic antibiotics. 1. The patient has severe distiguting nodular and/or inflammatory acne, acne conglobata or recalcitrant acne that has
- 2. The patient is reliable in understanding and carrying out instructions.
- 3. All patients <u>must</u> sign the informed consent form prior to initiating therapy. This form is provided to the physician
- via the www.acneandu.ca website or by contacting the Roche Drug Information line at 1-888-762-4388.
- SUDATUSIE is contraindicated in females of childbearing potential unless ALL of the following conditions apply:
- 1. The patient is able and willing to comply with the mandatory effective contraceptive measures.
- include showing a line drawing to the patient of an infant with the characteristic external deformities resulting from hazards of fetal exposure to ACUUTANE and the risk of possible contraception failure. This explanation may 2. The patient has received, and acknowledged understanding of, a careful oral and printed explanation of the
- 3. The patient has been informed and understands the need to rapidly consult her physician if there is a risk of .vonsngere during pregnancy.
- pregnancy.
- therapy, during ACCUTANE therapy and for one month following discontinuation of ACCUTANE therapy. It is 5. The patient uses effective contraception without any interruption for one month before beginning ACUTANE The patient understands the need for rigorous follow-up on a monthly basis. .4
- of the next normal menstrual period before ACCUTANE therapy is initiated. performed in a licensed laboratory, within 11 days prior to initiating therapy. The patient has had two or three days has had a second serum or urine pregnancy test with a sensitivity of at least 25 mIU/mL with a negative result, conducted at initial assessment when the patient is qualified for ACUTANE therapy by the physician. The patient 6. The patient has had two negative pregnancy tests before starting BATUDOA therapy with the first pregnancy test recommended that two reliable forms of contraception be used simultaneously.
- Even female patients who normally do not employ contraception due to a history of infertility, or claim absence of measures one month prior to, during and for one month after ACCUTANE. 7. In the event of relapse treatment, the patient must also use the same uninterrupted and effective contraceptive
- undergone hysterectomy, bilateral oophorectomy, or has been medically contirmed to be postmenopausal. Even female patients who have amenorrhea must follow all the advice on effective contraception unless the patient has sexual activity, should be advised to employ contraception while taking ACCUTANE, following the above guidelines.
- the Roche Drug Information line at 1-888-762-4388. All patient materials and physician materials can be downloaded from the www.acneandu.ca website or by contacting

If you require this information in an accessible format, please contact Roche at 1-800-561-1759.

Ocpyright 2007-2014, Hoffmann-La Roche Limited, used under license ACCUTANE<sup>IIII</sup> trade-mark of Hoffmann-La Roche Limited, used under license

Pregnancy Prevention Program<sup>®</sup> Registered trade-mark of Hoffmann-La Roche Limited Ortho-Novum<sup>®</sup> Registered trade-mark of their respective owner.

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calling us at 1-888-762-4388. Wort), and dosing information which has not been discussed in this piece. The product monograph is also available by use is associated with depression in some patients. Patients should be cautioned to not self-medicate with St. John's Intormation relating to warnings and precautions, adverse reactions, drug interactions (e.g. St. John's Wort: ACUUTANE

For More Information

complete details)

fractures and hyperostosis

extracutaneous involvement

during ACCUTANE therapy.

disability and/or death.

at 1-888-762-4388.

may be necessary.

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Other relevant warnings and precautions

Impaired hearing at certain frequencies

month after discontinuation of treatment.

with keratolytic or extoliative anti-acne agents.

ACUTANE (See full Product Monograph for complete details).

Exposure to intense sunlight or to UV rays should be avoided.

.tnamtsuja and usually does not require dose adjustment.

diagnosis and care. Concomitant treatment with tetracyclines should be avoided.

hypertriglyceridemia or symptoms of pancreatitis occur.

bleeding or severe diarrhea should discontinue ACUUTANE immediately.

- 400 docked from the www.acneandu.ca.website or by contacting the Roche Drug Information line at 1-888
- should be discontinued promptly and the patient referred for appropriate psychiatric treatment as necessary. However, therapy with ACCUTANE. If symptoms of depression develop or worsen during treatment with ACCUTANE, the drug patient may be depressed or has a history of depression including a family history of major depression before starting signs of depression during therapy. Before starting therapy with ACUJOAC PMY sicians should determine whether the suicide. Although a causal relationship has not been established, all patients should be screened and monitored for Paychiatric: Some patients treated with SUATUDAA have become depressed and some attempted or committed

Please consult the Product Monograph at www.rochosoansonApantava/actuantava/actione\_MP\_E.pdf for important

Monitoring and Laboratory Tests (including pregnancy tests and signs of depression. See full Product Monograph for

Ophthalmologic effects (corneal opacities, dry eyes, decreased night vision, keratitis, blepharitis and conjunctivitis).

Effects on musculoskeletal system including osteoporosis, osteoporia, bone fractures, and delayed healing of bone

Anaphylactic reactions, allergic cutaneous reactions and allergic vasculitis (often with purpura) of the extremities and

should be made to control significant triglyceride elevation. ACUDA should be discontinued if uncontrolled

Clinical hepatitis, elevation of liver enzymes, acute pancreatitis which is known to be potentially fatal. Every attempt

hemorrhage) in patients without a prior history of intestinal disorders. Patients experiencing abdominal pain, rectal

ACCUTANE has been temporally associated with inflammatory bowel disease (including regional ileitis, colitis and

Patients with diabetes or a family history of diabetes may experience problems with the control of their blood sugar

Cardiovascular events (elevation in plasma triglycerides, decrease in high density lipoproteins, increase in cholesterol

It is recommended that blood donation for transtosion purposes be deferred during therapy with ADADA and for one

Male patients should be reminded that they must not share their medication with anyone, particularly not females.

and high risk patients (with diabetes, obesity, alcoholism or lipid metabolism disorder) undergoing treatment with

of treatment, wax epilation, concurrent administration

It is recommended that the following be avoided in patients on SUATUDAE and for a period of 5-6 months after the end

Acute exacerbation of acne is occasionally seen during the initial period but this subsides with continued treatment,

necrolysis (TEN)]. These events may be serious and result in hospitalization, life threatening events, distiguration,

Consumer Information: Both male and female patients should be given a copy of the Consumer Information (Part III).

• Monitoring and Laboratory Tests: The following tests are required before starting ACUTANE, at first month, then

Hepatic/Biliary/Pancreatic: There have been some reports of acute pancreatitis, which is known to be potentially

papilledema and, it present, the drug should be discontinued immediately and the patient referred to a neurologist for

include headache, nausea and vomiting, and visual disturbances. Patients with symptoms should be screened for

hypertension), some of which involved concomitant use of tetracyclines. Early symptoms of pseudotumor cerebri

Ideurologic: ADATUCOM use has been associated with a number of cases of pseudotumor cerebri (benign intracranial

provided to the physician via the www.acneandu.ca website or by contacting the Roche Drug Information line

prior to treatment and in monitoring for the development of psychiatric symptoms during treatment. This checklist is

discontinuation of BACUDAE may not alleviate symptoms and therefore further psychiattric or psychological evaluation

A Psychiatric Assessment Checklist is available to assist physicians in screening patients for depression/suicidality

as clinically indicated: serum blood lipid, complete blood count (CBC) and differential, liver function, and blood glucose

Stevens - Stevious skin reactions [e.g. erythema multiforme (EM), Stevens-Johnson syndrome (SJS), and toxic epidermal

Special populations (pregnant women, females of child bearing potential, nursing women, pediatrics and geriatrics)

to serve as a reminder of all the tests that should be carried out and their frequency. This physician material can be pregnancy tests should be documented. The blood monitoring chart can be used to document these results as well as pregnancy tests during treatment and one month after the discontinuation of treatment. The dates and results of



# **Blood Monitoring** Guide

**ACCUTANE<sup>™</sup> ROCHE<sup>®</sup> (isotretinoin)** 



ACCUTANE is indicated for the treatment of:

Severe Nodular and/or Inflammatory Acne

Acne Conglobata

Recalcitrant Acne

		Abbreviated	Normal Range	Testing Frequency	Possible Effect	Incidence	Comments
<b>Complete Blood Count and Differential</b>	Erythrocyte sedimentation rate	ESR	Male: 0-17 mm/hr Female: 1-25 mm/hr	Baseline, first month, then as clinically indicated	$\uparrow$ sedimentation rate	40%	
	Hemoglobin	Hg	Men: 140–180 g/L Women: 115–155 g/L	Baseline, first month, then as clinically indicated	↓ Hg (Anemia)	Less common than other parameters listed	
	Neutrophils	NEU	Absolute neutrophils 2-7 x 10 <sup>9</sup> /L	Baseline, first month, then as clinically indicated	↓ NEU (Neutropenia)	Less common than other parameters listed	
	Platelet count	PLT	130-400 x 10º/L	Baseline, first month, then as clinically indicated	<ul> <li>↓ PLT (Thrombocytopenia)</li> <li>↑ PLT</li> </ul>	Less common than other parameters listed	
	White blood cells (Leukocytes)	WBC (LKC)	3.2–9.8 x 10 <sup>9</sup> /L	Baseline, first month, then as clinically indicated	↓ WBC (↓LKC) (Leukopenia)	Less common than other parameters listed	
Urinalysis	Protein	Protein – urine	Negative or < 150 mg/day	As clinically indicated	↑ protein (proteinuria)	Less common than other parameters listed	
	Red blood cells	RBC – urine	0-2/high-power field	As clinically indicated	↑ red blood cells	Less common than other parameters listed	
	White blood cells	WBC – urine	0-2/high-power field	As clinically indicated	↑ white blood cells	Less common than other parameters listed	
Lipids	Fasting cholesterol	Chol.	< 5.2 mmol/L	Baseline, first month, then as clinically indicated and at end of treatment	↑ cholesterol levels	7%	<ul> <li>Cholesterol reversible upon dose reduction or cessation of therapy</li> </ul>
	Fasting triglycerides	TG	< 1.7 mmol/L	Baseline, first month, then as clinically indicated and at end of treatment	↑ TG levels	25%	<ul> <li>         in TG reversible upon dose reduction or cessation of therapy     </li> <li>         If serum triglycerides are &gt;9 mmol/L, patient is at risk of acute pancreatitis</li> <li>         Discontinue therapy if uncontrolled hypertriglyceridemia or symptoms of pancreatitis occur     </li> </ul>
	High density lipoproteins	HDL	> 1.3 mmol/L	Baseline, first month, then as clinically indicated and at end of treatment	$\downarrow$ HDL levels	15%	<ul> <li>HDL reversible upon dose reduction or cessation of therapy</li> </ul>
Liver Function	Alanine aminotransferase (serum)	ALT	0-585 nkat/L	Baseline, first month, then at 3 month intervals	↑ ALT	15%	
	Alkaline phosphatase (serum)	ALP	500-2000 nkat/L	Baseline, first month, then at 3 month intervals	↑ ALP	15%	<ul> <li>If normalization does not readily occur, or if hepatitis is suspected, discontinue therapy and further investigate the etiology</li> </ul>
	Aspartate aminotransferase (serum)	AST	0-585 nkat/L	Baseline, first month, then at 3 month intervals	↑ AST	15%	
Pregnancy	Serum or Urine	ß-hCG serum ß-hCG urine		Two negative pregnancy tests before starting ACCUTANE therapy; the first pregnancy test should be conducted at initial assessment when the patient is qualified for ACCUTANE therapy by the physician; the second pregnancy test should be performed within 11 days prior to initiating therapy;	Major human fetal abnormalities	≥ 25%	<ul> <li>Urine or serum pregnancy test with a sensitivity of at least 25 mlU/mL with a negative result, performed in a licensed laboratory</li> </ul>

				prior to initiating therapy; then monthly, including one month following discontinuation of treatment			
Blood Sugar	Fasting glucose (plasma)		3.9-6.1 mmol/L	As clinically indicated	↑ fasting blood sugar	Unknown	<ul> <li>Known or suspected diabetics should have periodic blood sugar determinations</li> </ul>
er Tests	Creatine phosphokinase (serum)'	СРК	5-130 u/L	As clinically indicated	CPK, particularly in those patients undertaking vigorous physical activity <sup>1</sup>	12%	<ul> <li>CPK reversible after 2 to 4 weeks of therapy cessation<sup>1</sup></li> </ul>
Othe	Urate, as uric acid (serum)		120-420 µmol/L	As clinically indicated	turic acid (hyperuricemia)	Less common than other parameters listed	

<sup>1</sup> CPK elevation is based on the results of one study. In an open-label clinical trial (N=217) of a single course of therapy with ACCUTANE for severe recalcitrant nodular acne in pediatric patients 12 to 17 years, transient elevations in CPK were observed in 12% of patients, including those undergoing strenuous physical activity in association with reported musculoskeletal adverse events such as back pain, arthralgia, limb injury, or muscle sprain. In these patients, approximately half of the CPK elevations returned to normal within 2 weeks and half returned to normal within 4 weeks. No cases of rhabdomyolysis were reported in this trial.

References: Current ACCUTANE Product Monograph. Compendium of Pharmaceuticals and Specialties. Canadian Pharmacists Association.

For full prescribing information, please consult the ACCUTANE Product Monograph.