

DIRECT DERMATOLOGY

The Online Dermatology Clinic

Raj Gupta, M.D., Ph.D Chief Medical Officer



WHY WE STARTED DIRECT DERMATOLOGY?



Unnecessary Delays in Diagnosis and Treatment



Avoidable Patient Morbidity and Mortality



WHAT WE DO

Online tele-dermatology consultation service:

- 1. HIPAA-compliant web-based platform
- 2. US board-certified dermatologists





HEALTH CARE CHALLENGES

• Timely access

• High quality care





• Lower cost of care





RESOURCE FOR PRIMARY CARE

Consult dermatologists virtually from medical home

- 📕 Wait time
 - Unnecessary ER visits
- Unnecessary repeat PCP visits
- In-person dermatology referrals (<6%)
- Travel time and cost
- **1** Quality of care



HOW OUR SERVICE WORKS



Login and enter medical history



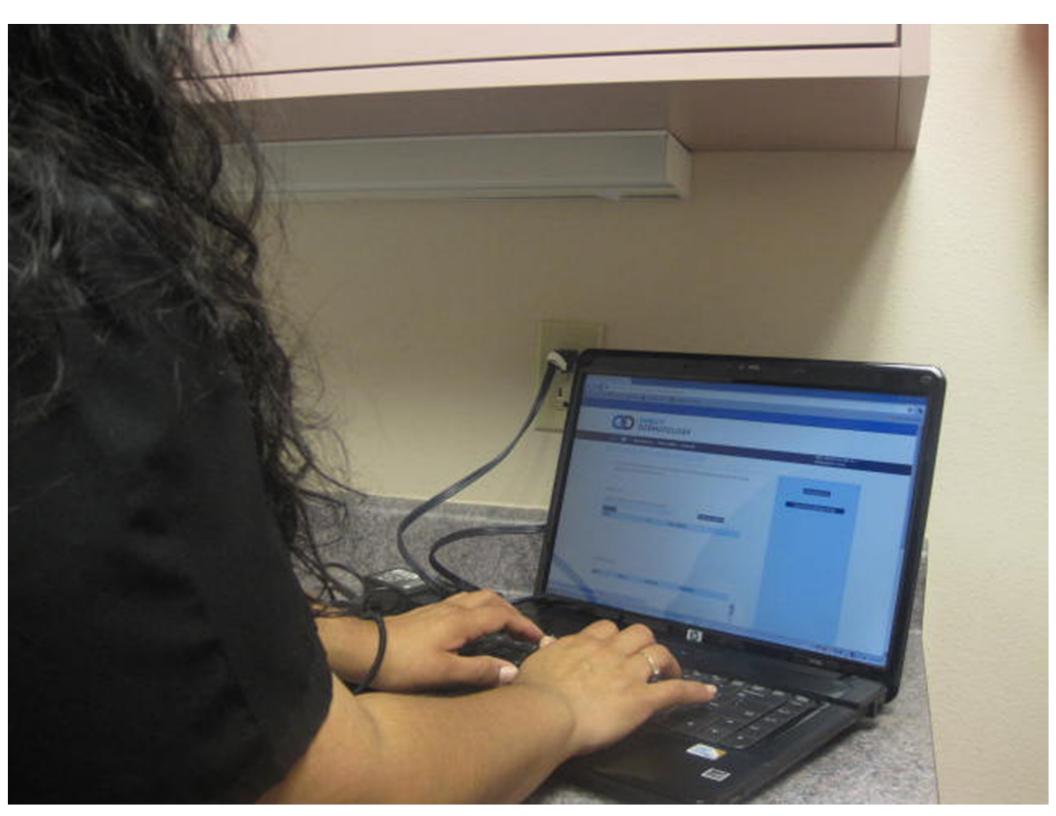
Take and upload pictures





Receive report with diagnosis and treatment

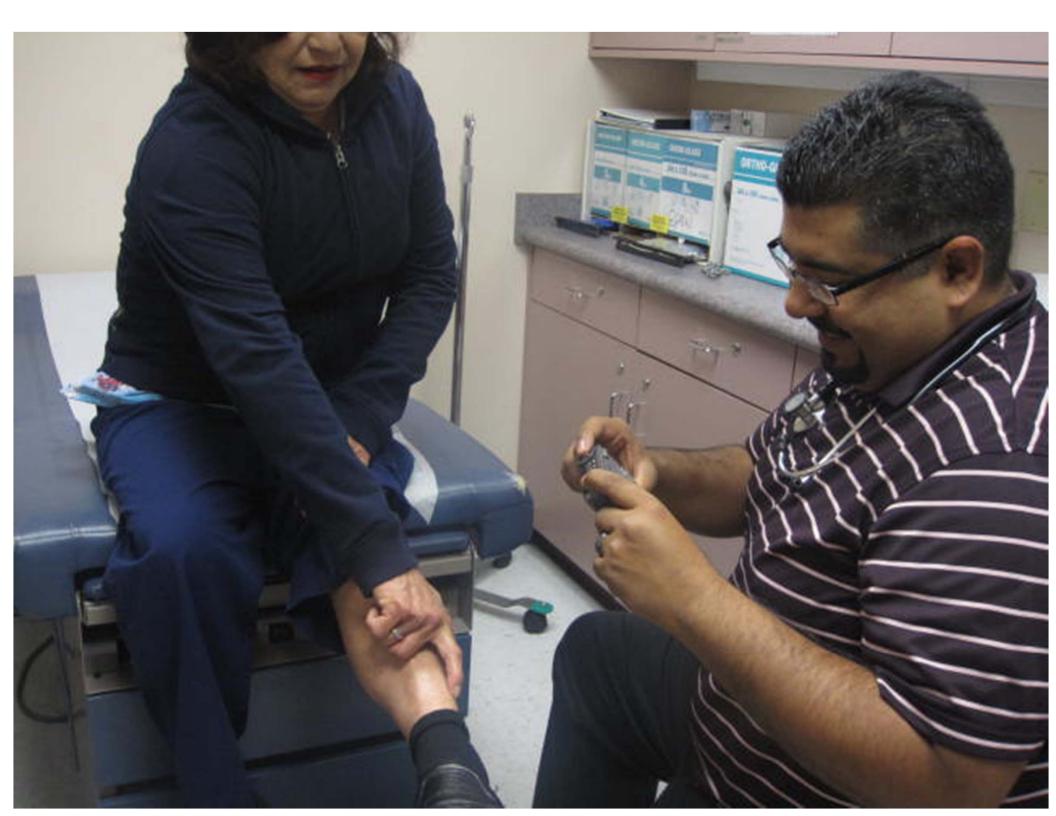






WELCOME WHO WE ARE HOW IT WORKS PRICING MEET OUR DOCTORS FAQS RESOURCES CONTACT

FOR REFERRING PR	PATIENT: Jane Lee (ID#3422212		
1. PATIENT INFO	2. MEDICAL HISTORY	3. UPLOAD PHOTOS	4. CONFIRM
Demographics Insurance	Current Problem Medications Past Medical History		
CURRENT PROBLEM			
What is the reason for the consultation (Check all that apply)		pelow:	
What is the nature of the skin problem?	? other If other, please specify:	•	
What is the provisional diagnosis:			
Where is the skin problem located? (Please list all body locations affected, ex: "left leg" or "face, chest, and both arms")			
How long has this skin problem been p	oresent? since birth		
Does the problem "come and go" or is it "always present"?	 Always Present Comes and Goes 		

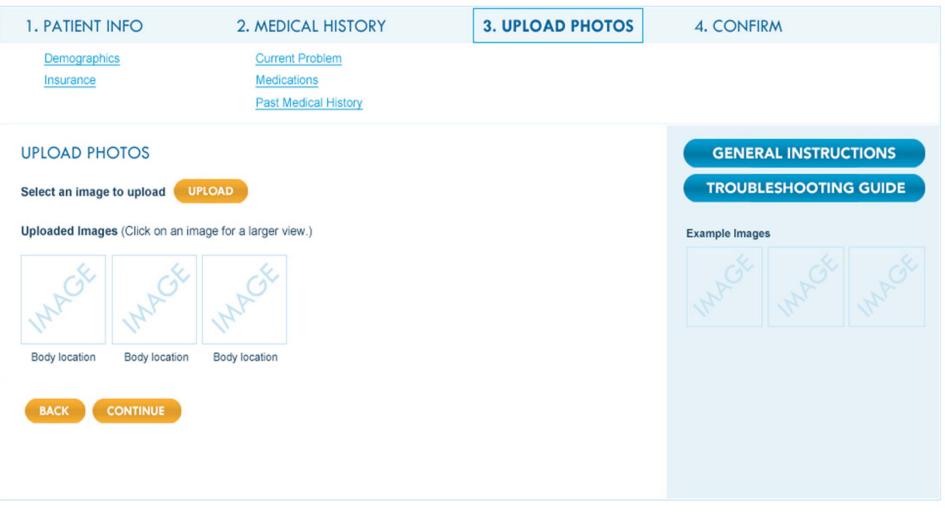




WELCOME WHO WE ARE HOW IT WORKS PRICING MEET OUR DOCTORS FAQS RESOURCES CONTACT

FOR REFERRING PROVIDERS

PATIENT: Jane Lee (ID#3422212)



Copyright © Direct Dermatology Holdings Inc. 2010 | Technical Support: vinosys.com | Terms and Conditions | Privacy Policy | Disclaimer



Case ID:	_	DOB: Submi	tasion date: 10/14/20	10 165	io i	הח	DIR	ECT MATOLOG
Submitted by: Consulting Physi	clan: Dr.	Clinic	-					tology - Dr. Rajnish G
Nagnosis: Anpic	derratt	- 691.8, Im	petigo - 684.0					1.111.10
	is a 8-mo	nth-old hisp	anic or latino, male re	ferred t	by Dr.	for consult	ation regarding:	
diagnosis, treatm			teos,handa,axdia, ne					
	Clinic -	la l	PA-C 's provision	al dag	nomin in: miopic di	ernalia.		
This skin problem	has been	n present for	3 months, and come	a and p	ONR.			
Patient complains	of the to	lowing symp	toms: spowsmine, bi	meding.	itching, paintul,			
			lowing symptoms: pr					
Medications used								
Name		Form	Dose or Strength		Frequency	Duration	Last Use	Response
tiencinolore	ointr		0.1%		BD	2 months	still using	improved alightly
elidel This skin problem	thes not i		1% aly biopsied.		BID	1 month	still using	improved alightly
This skin problem	has not i	been previou			BD	1 month	kil wing	improved alightly
This skin problem Review of system Fever:	has not i	Chille:	sly biopslad.	no		1 month	stil using	improved slightly
This skin problem Review of system Fever: Fatigue:	no no	Chille: Joint pein	aly biopaied. or stiffrees.	no		1 month	stil using	improved slightly
This skin problem Review of system Fever:	max:	Chille: Joint pein	sly biopslad.			1 month	kil using	improved sightly
This skin problem Review of system Fever: Feligue: Mouth scree:	max: no no no	Chillis: Joint pain Shortheas	aly biopaied. or stiffrees.	no		1 month	kil using	improved alightly
This skin problem Review of system Fever: Fatigue: Mouth sores: Other medicatio	no no no no no	Chills: Joint pain Shortheas stly taken by	ally biopaind. or additional of breach	no		1 month	ell using	improved eligitity
This skin problem Review of system Fever: Feligue: Mouth sores: Other medicatio Current medicatio Drug altergies:	no no no no no	Chills: Joint pain Shortheas stly taken by	ally biopaind. or additional of breach	no		1 month	ell using	improved eligitity
This skin problem Review of system Feren: Fatigue: Mouth screet: Other medicatio Current medicatio Current medicatio Drug altergies: Penicilin:	na: no no no problem no	Chills: Joint pain Shortheas stly taken by	aly biopsied. or stiffreese: of breath: y the patient: None Cephalos	no no	no	1 month	ell using	improved eligitity
This skin problem Review of system Fever: Futgue: Mouth scree: Other medicatio Current medicatio Current medicatio Current medicatio Current medicatio Subscritter: Subscritter:	na: no no no no problem no no	Chills: Joint pain Shortheas stly taken by	aly biopaied. or additease of breath: y the patient: None Cephalos Tetracycl	no no	no no	1 month	ell using	improved elightly
This skin problem Review of system Feren: Fatigue: Mouth screet: Other medicatio Current medicatio Current medicatio Drug altergies: Penicilin:	na: no no no problem no	Chills: Joint pain Shortheas stly taken by	aly biopsied. or stiffreese: of breath: y the patient: None Cephalos	no no	no	1 month	ell using	improved elightly
This skin problem Review of system Fever: Fatigue: Mouth scree: Other medicatio Current medicatio Curr	no no no no no no no no no no no no no	Chila: Joint pain Shortneas rBy taken by a: None	ely biopsied. or atfitness: of breath: y the patient: None Tetracycl Other:	no no porin: ine	no no	1 month	ell using	improved elightly
This skin problem Review of system Fever: Patgar: Mouth sores: Other medicatio Current medicatio Current medicatio Drug altergies: Penciality Suffe: Suffe: Aspirity Histopy of skin p	no no no no no no no no no no no no no	Chila: Joint pain Shorthean stly taken by a: None Patier	aly biopsied. or addiness: of breach: y the patient: None Tetracycl Other: at Pamily	no no porin: ine	no no	1 month	ell orig	improved elightly
This skin problem Review of system Favor. Mouth screet: Other medicatio Current medicatio Current medicatio Current medicatio Current medicatio Current medicatio Current medicatio Current medicatio Site Aspirint History of skin p Skin cancer:	no no no no no no no no no no no no no	Chila: Joint pain Shortnean stly taken by a: None Patler no	aly biopsied. or additional of breath: y the patient: None Cephalos Tetracycl Other: at Family no	no no porin: ine	no no	1 month	sti ung	improved eligitity
This skin problem Review of system Favor: Fatigon: Mouth screet: Other medicatio Current medicatio Current medicatio Current medicatio Current medication Current med	no no no no no no no no no no no no no	Chilla: Joint pain Shortheas att None Patter no no	nly biopsind. or additionan: of breath: y the patient: None Tetracycl Other: at Family no no	no no porin: ine	no no	1 month	sti ung	improved eligitity
This skin problem Review of system Favor. Mouth screet: Other medicatio Current medicatio Current medicatio Current medicatio Current medicatio Current medicatio Current medicatio Current medicatio Sin cancer:	no no no no no no no no no no no no no	Chila: Joint pain Shortnean stly taken by a: None Patler no	aly biopsied. or additional of breath: y the patient: None Cephalos Tetracycl Other: at Family no	no no porin: ine	no no	1 month	sti ung	improved eligitity

Physical exam:

resh located on fece hands axile, neck.







If defined eryth plaques with scale bilateral cheeks, perioral region, periocular region (R+L) and L donail hand. Some cruating visible in involved areas on L donail hand.

Diagnosis	ICD9		
Atopic demattle	601.8		
Impetigo	684.0		

Assessment and Recommendations: Based on the information provided: 1. Atopic Dermatilia, with moderate to servere involvement on face. 2. Probable secondary impeligo

Recommendations:

reaconsecutors: 1) Tala bacterial web for outure and sensibility of involved ansas on face 2) Caphakoth 25 mg/kg/day divide tid X 2 weeks 3) Hydrocottaren orthmat 25% criteriant Houd Kally to affected ansas on face 4) Continue with Transmission orienterat 0 1% bid to affected ansas on hands 5) Diacous in della fouttre sión care measure and the parents for ong bern management

601.8

684.0

NOTE: Proper skin lubrication is the mainstary of therapy because atopic dermatitis vacaes and vaces. Whiter weather often ecocordates atopic demattis because home heating drive out the sit allowing increased termspidemail water loss. 1) Out the child's mails as short as possible to prevent more destructive eccontrition. 2) Get some Aveeno Outmeel beth additive and use warm but not hot water for bething if a table is available.

3) Adding 2 teaspoons of household bleach (e.g., Clonx) per gallon of bath water will help reduce incidence of Staphylococcus inflections which occur more frequently

In stopic skin because 90% of stopic patients have Steph colonization on their skin compared to non-stopic individuals (20%).

non-stopic individuals (20%). (4) Use Categohi Clearaner for bathing or showeing or Dove Scep if Cetaphil is not available. (5) After bathing or showering, before bathine and as needed during the day in batween applications of a lipical contracteroid (as indicated show), apply small amounts of Viewiller Petroletum or Appaphor to all dry skin that the patient tends to contact (NOTE: a pea-sized amount of the onlinet of a wough to cover an area the size of the entire forshand - it shouldn't feel greasy after massaging into skin - if it does too much has been scoled).

(i) Use light cotton pajamas for sleep and hand mittens if the baby tends to acretch a lot.

There are no additional questions

Follow-up recommendation: Follow-up with repeat teledermatology consultation in 1 month to monitor progress.

Electronically signed by: Rainish Oupta, MD - Direct Dermatology on 10/18/2010 1:08



Case Example #1



150 days (3600 hours) vs. 1/3 day (8 hours)

Case Example #2



6 months (>180 days):8 PCP visits with 10 prescriptions



Case Example #2



<u>1 day</u>: Diagnosis made by Direct Dermatology 2 weeks after follow up: Complete resolution





Community dermatologist wait: 150 days DirectDerm saw patient in: 1 day

Diagnosis: Spitzoid Melanoma Excision and sentinel lymph node biopsy done at UCSF in < 2 mo





<u>3 PCP visits</u> for same problem spanning <u>over 3 months</u> <u>3 prescriptions</u> given and no improvement



Before DirectDerm



2 months after DirectDerm

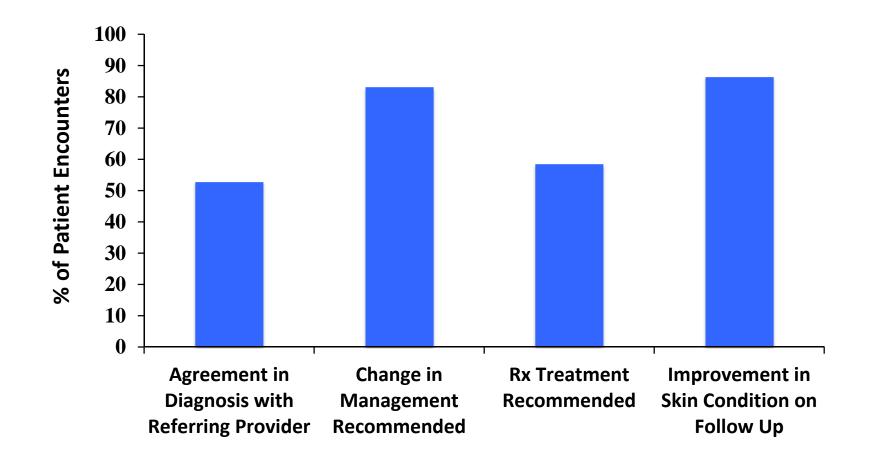


DirectDerm saw patient in: 1 day

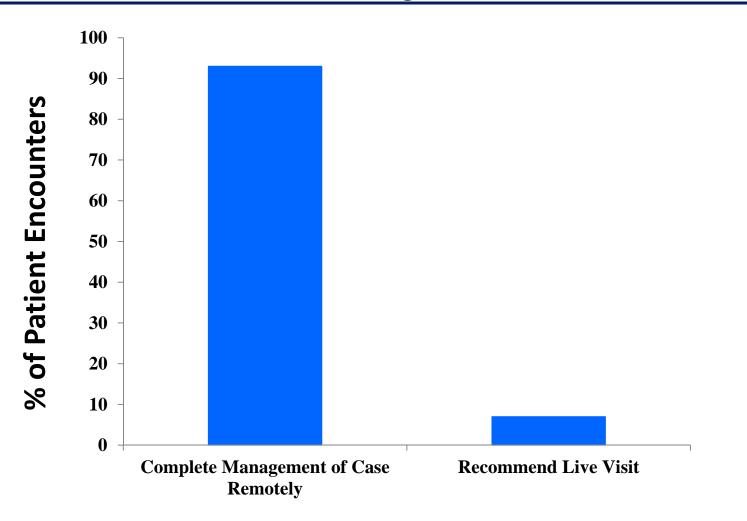
Diagnosis: Psoriasiform drug eruption

2 months follow-up: Significant improvement











CONTACT

Raj Gupta, MD

650-704-6993 rgupta@directderm.com

www.directdermatology.com