A ave and Danses	
Acne and Rosacea	
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Acne	
• Affects	
 Affects >80% of adolescents	
• Affects	
 >80% of adolescents >40% of adults Associated with Disfigurement 	
 Affects >80% of adolescents >40% of adults Associated with Disfigurement Loss of confidence 	
 Affects >80% of adolescents >40% of adults Associated with Disfigurement 	
 Affects >80% of adolescents >40% of adults Associated with Disfigurement Loss of confidence Depression 	

Pathogenesis

- i) increased sebum production,
- (ii) hypercornification of the pilosebaceous duct,
- (iii) colonization of the duct with *Propinebacterium acnes*,
- (iv) inflammation.

Clinical features	
Non-inflamed lesions (comedones) are the earliest lesions	·
Closed comedones- white heads	
closed confedories- writte fleads	
And the second s	
	-
Open comedones-Black heads	-

Sand paper comedones	-
(3.50)	
Submarine comedones	
Papules and pustules	
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Manufacture, or the last his house of demanding 40 also	







Clinical Grading	
Chilical Grading	
• Mild	
Papular/pustular	
• Moderate	
Papular/pustular/nodular	
• Severe	
Nodular/cystic	
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Severe acne variants	
Severe delle variants	
Acne conglobata	
Large abscesses with interacting sinuses, multiple cysts,	
leads to severe scarring	
• Acne fulminans	
Inflamed suppurative nodules with ulcerations with fever, arthritis and leucocytosis, elevated ESR	
ievel, artificis and redeocytosis, elevated Lon	

Complications	
• Scarring	
usually follows deep-seated inflammatory lesions	
Atrophic	
- Trade-deliver	
Hypertrophic	
andes min	
Logical Im	
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ost inflammatory hyperpigmantation	
And the second s	
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Choice of therapy	
This is determined by the severity and extent of the	
disease	
but should consider number of other factors	
• duration of disease,	
response to treatments,	
• predisposition to scarring,	
patient preference and cost	
Psychosocial factors	
hould be tailored to an individual patient	
	•
opical therapy	
- P	
Retinoid preparations	
• Topical antibiotics	
Azeleic acid	
Benzoyl peroxide 2.5-10%	
Combination of topical agents (Clindamycin 1% and	
Benzoyl peroxide 5%, Adapalene and Benzoyl	
peroxide)	

Tretinoin (0.01% gel, 0.025% cream, 0.1% cream)
Adapalene (o.1%)
Isotretinoin (0.05% gel)
Good for comedonal acne
 Use at night over entire face, exposure to the sun increases
irritationStart slowly, increase contact time slowly
Results in six to eight weeks.
Adverse affects • Retinoid reaction
Photo sensitivity
Potential hyper/hypopigmentation
Contraindicated in pregnancy
Topical antibiotics
Topical antibiotics
2% Erythromycin, 1% Clindamycin,
270 Erythioniyem, 170 Childamyem,
For pustular acne
Decrease Pacnes
• Slow to act (Takes 4-6 weeks)
Resistance often develops over time
Best used in combination with topical retinoids/benzoyl
peroxide (eg-Benzoyl peroxide and Clindamycin)
peroxide (eg benzoyi peroxide and emidaniyem)
Ronzovi porovido (2.5% gol. 5% groam, wash -50%
Benzoyl peroxide (2.5% gel, 5% cream, wash, 10% cream)
Cicaili)
 Bactericidal, comedolytic and anti inflammatory
action
 Adverse effects
• Irritation
Bleaches clothing and hair
(Benzoyl peroxide wash , use white towel, pillow cases)
, ,

Azeleic acid (15% gel, 20% cream, 20% lotion)
Antibacterial
 Improve post inflammatory hyperpigmentation
20 1 1 2 20 1 1 1
 If topical Rx not effective, in moderate to severe acne
→ oral antibiotics
→ oral isotretinoin
7 ordi isotretinom
→ hormonal
Oral antibiotics
 Doxycycline
Minocycline
Erythromycin
Azithromycin
,

Doxycycline
50mg -100mg dailyEffect evident after 6-8 weeks
• Effect evident after 6-8 weeks
• How to write a prescription for acne ?
Doxy cont
 Doxycycline 5omg (25) x 3? With meal, after meal, any time
• Cost – 50mg (25) 8.90 \$
Minoculino
Minocyline • 50-100mg daily
PrescriptionMinocycline 50mg (60) - cost 18\$

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- 250-500mg daily
- If planning pregnancy
- In Children

Duration of antibiotics

- Effect after 6-8 weeks
- Try for 3 months
- Reduce dose and maintain
- If relapse- need Roaccutane or Hormonal treatment
- Unlikely to cure acne

Isotretinoin

- Most effective treatment , cure acne
- Reduces sebum production
- Normalizes follicular keratinization
- Decreases inflammation

Indications

- Severe acne
- Mild to moderate acne , with evidence of scarring
- Relapse after antibiotics, hormonal treatments

Case
35 year old female with acne in the chin and jaw line for 2 yrs, Also has irregular periods

Suspect in females

- Late onset
- More on the jaw line
- Premenstrual flair
- Irregular periods

An endocrine evaluation may be indicated in adult	
females.	
Additional signs of hyperandrogenism	
Irregular menses	
Hirsutism	
FPHL	
Hyperseborrhoea	
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1 22 12 22 12 112 1 1	
Initial tests should include	
 Total testosterone, (very high levels suspect ovarian 	
tumour)	
 Follicle-stimulating hormone (FSH) and luteinizing 	
hormone (LH)ideally be taken early in the menstrual	
cycle (day 1–3). (LH/FSH ratio can be elevated in	
PCOD)	
 Serum dehydroepiandrosterone sulphate (DHEAS) 	-
(adrenal source) (DHEAS greater than 21.7 µmol/L	
may have an adrenal tumor)	
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Dv	
Rx	
• Spironolactone	
Cyproterone acetate	
Contraceptive pills	
containing ethinylestrodiol (oestrogen) and an	
antiandrogenic progesterone	
Discount of the Discount of th	
cyproterone acetate (Diane™-35, Estelle™ 35 and Ginet-84™)	
drospirenone (Yasmin™, Yaz™)	
dienogest (Valette™)	
• Roaccutane	

When to refer

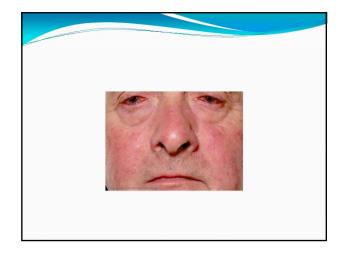
- scarring
- failed to respond oral antibiotics, each lasting three months and hormonal treatments
- severe variant of acne

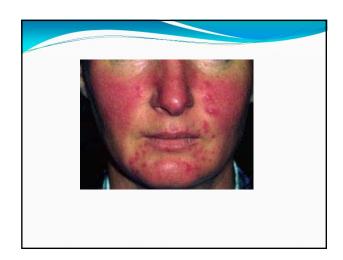
Rosacea

- flushing, erythema, papules and pustules, and telangiectasia. No comedones
- chronic lymphoedema, thickening of affected skin and rhinophyma are late complications
- Erythemato-telangiectatic type
- Papulopustular
- Phymatous
- Ocular

Mainly erythema

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Treatments

- Topical metronidazole gel/cream, tacrolimus cream
- Oral antibiotics- Doxycycline, minocycline, metronidazole
- Isotretinoin oral low doses longer period
- Taelangiectasia- Vascular laser, IPL, Fine wire diarthermy

Thank you	