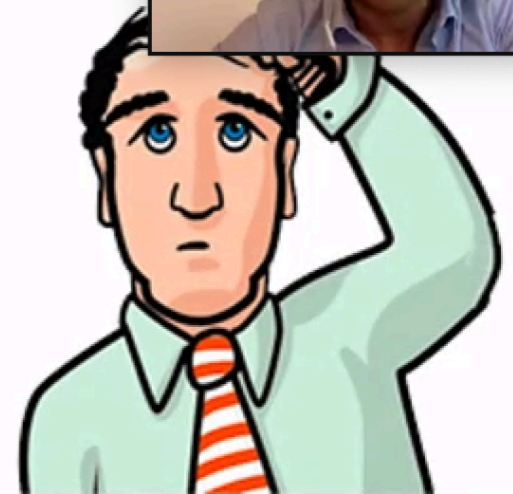


WiQo PRX-T and PRP
Tips from Expert Round Table



ANDROGENETIC ALOPECIA (AGA)

- affects **58% of men > 50 years** (Hamilton)
- confirmed in subsequent studies (Norwood):
affects **over 50% of adult males**
- affects **at least 25% of women after menopause**
- in women AGA starts later in life with slower progression and diffuse hair thinning





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AGA : THERAPY OPTIONS

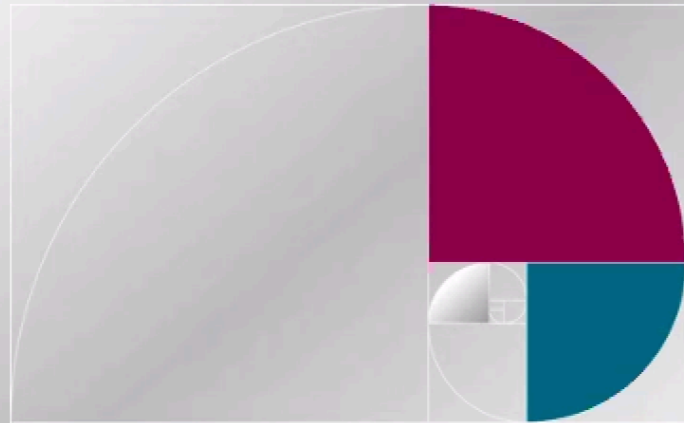
- ❑ MINOXIDIL
- ❑ FINASTERIDE
- ❑ **PLATELET-RICH PLASMA (PRP)**





FINASTERIDE

- ❑ specific inhibitor of 5-alpha-reductase type II :
- ❑ ➡ enzymatic block of conversion from testosterone to DHT at follicular level
- ❑ oral administration of 1 mg/day for at least 6-8 months
- ❑ non permanent results: hair loss resumes after when the course of medication is interrupted
- ❑ effectiveness documented by many studies: results up to 90% in young males



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FINASTERIDE: SIDE EFFECTS

- low libido
- erectile dysfunction
- male foetus feminization
- absolute contraindication in women of childbearing age
- it can be used in post-menopausal women:
the results are less satisfying than in males



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PLATELET-RICH PLASMA(PRP)

**Effective therapeutic approach
in the field of regenerative medicine**

- ❑ Autologous platelet growth factors source
- ❑ Used with a specific closed-circle technique and thus absolutely sterile
- ❑ Side-effect free.



● Recording



PRX-T₃₃ as first stimulation

what's the reason for **PRP + PRX-T₃₃ association ?**

- **its rationale is derived from a clinical study carried out on 35 AGA cases by dr.Rossana Castellana, MD**
- **dr.Castellana tried out PRX-T₃₃ as a chemical pre-stimulation on the scalp**



● Recording



PRELIMINARY BIOSTIMULATION WITH PRX-T₃₃

RATIONALE

- **TCA** application increases the expression of several growth factors, in particular **PDGF**

Induction of PDGF-B in TCA-treated epidermal keratinocytes. Yonei N, Kanazawa N, Ohtani T, Furukawa F, Yamamoto Y. Arch Dermatol Res. 2007

- **H₂O₂** promotes the activation of intracellular protein kinase and inactivation of protein phosphatase → **greater enzymatic activation**

Hydrogen peroxide: a key messenger that modulates protein phosphorylation through cysteine oxidation Rhee SG, Bae YS, Lee SR, Kwon J. Sci STKE. 2000



APPLICATION PROTOCOL

- ❑ **First visit and request for a hemochromocytometric test**
- ❑ **Informed consent**
- ❑ **Photodocumentation before the treatment**
- ❑ **Pre-stimulation with TCA-H₂O₂ (24 cases out of 35)**
- ❑ **1° treatment after 6-8 hours**
- ❑ **Planning of the following sessions**
- ❑ **follow-up**



PROCEDURE

- **Pre-stimulation with TCA-H₂O₂,**
- applied with a gentle massage on the areas to treat
- **Withdrawal of 16 ml blood**
- **Double centrifugation**
- - **1st centrifugation** at 1216 rpm for 15' RCF 180 x g
- - **2nd centrifugation** at 3150 rpm for 10' RCF 1209 x g



PRP PROCEDURE

- **microinjections** on the scalp using **4 ml of platelet concentrate** divided into **0.1 ml** microinjections
- **second session of treatment after 1 month**
- **evaluation of the results**
- **maintenance sessions every 4-6 months**



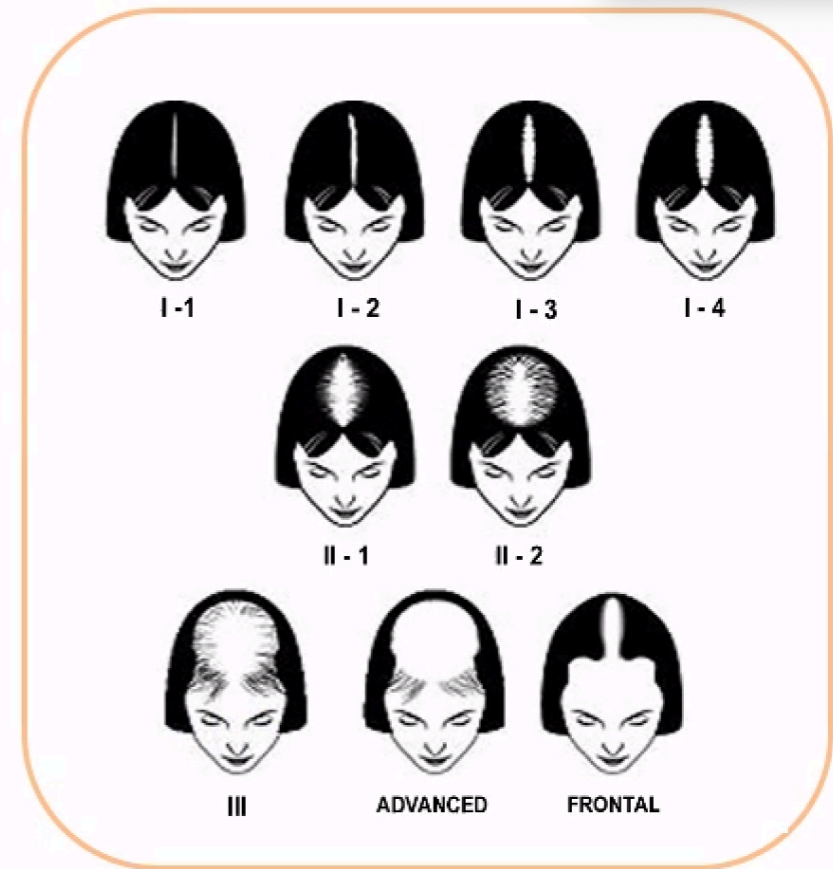
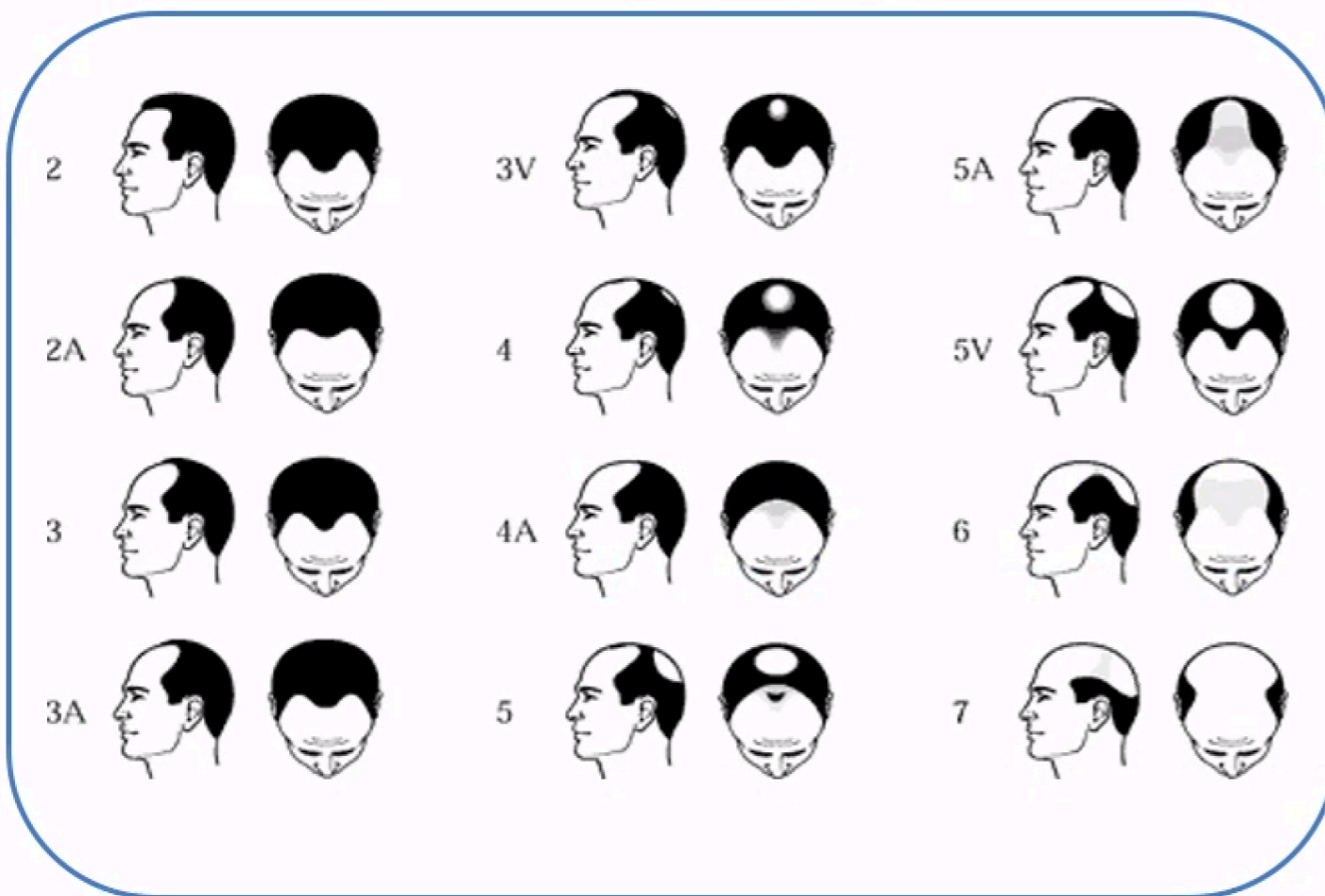
EVALUATION OF THE RESULTS

- **subjective (by the patient)**
- **objective (by the doctor)**
- **before/after image comparison:
1 month after the second session**

For the evaluation of results the authors have made reference to the **Hamilton-Norwood and Ludwig tables**



The Hamilton/Norwood Scale for Men's Hair Loss



The Ludwig Scale for Women's Hair Loss

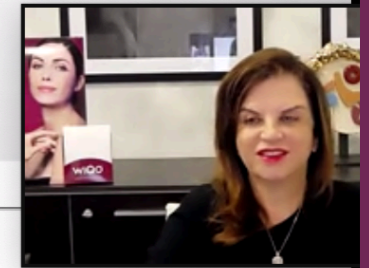


DR. CASTELLANA'S PERSONAL CASES

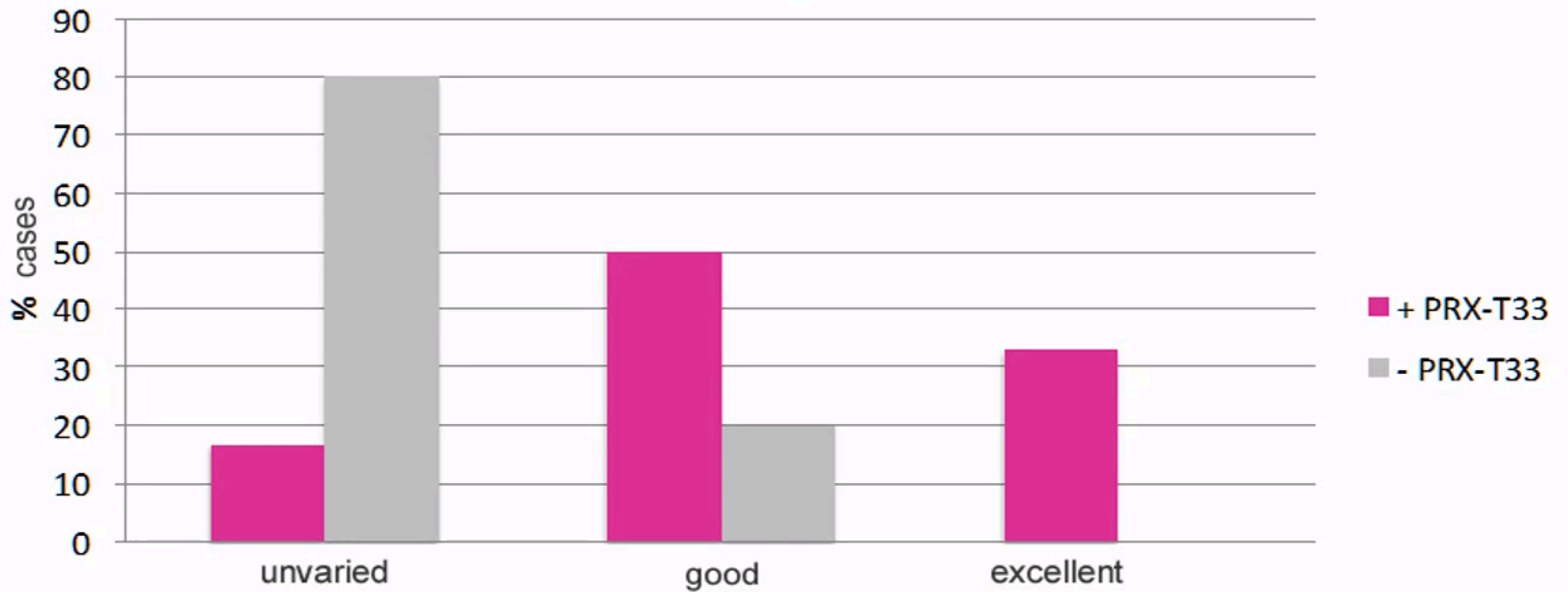
- ❑ **35 cases studied:** 11 males and 24 women
- ❑ **Age: 22-78**
- ❑ all patients with at least 2 sessions of treatment
- ❑ **24 patients pre-treated with PRX-T₃₃**
- ❑ follow-up for all patients on the third month
- ❑ **Side effects:** few cases of scalp desquamation after a week

Age	♂	♀	N° of cases
< 30	2	1	3
31-40	4	2	6
41-50	2	1	3
51-60	2	9	11
61-70	1	7	8
> 70	-	4	4
Total cases	11	24	35





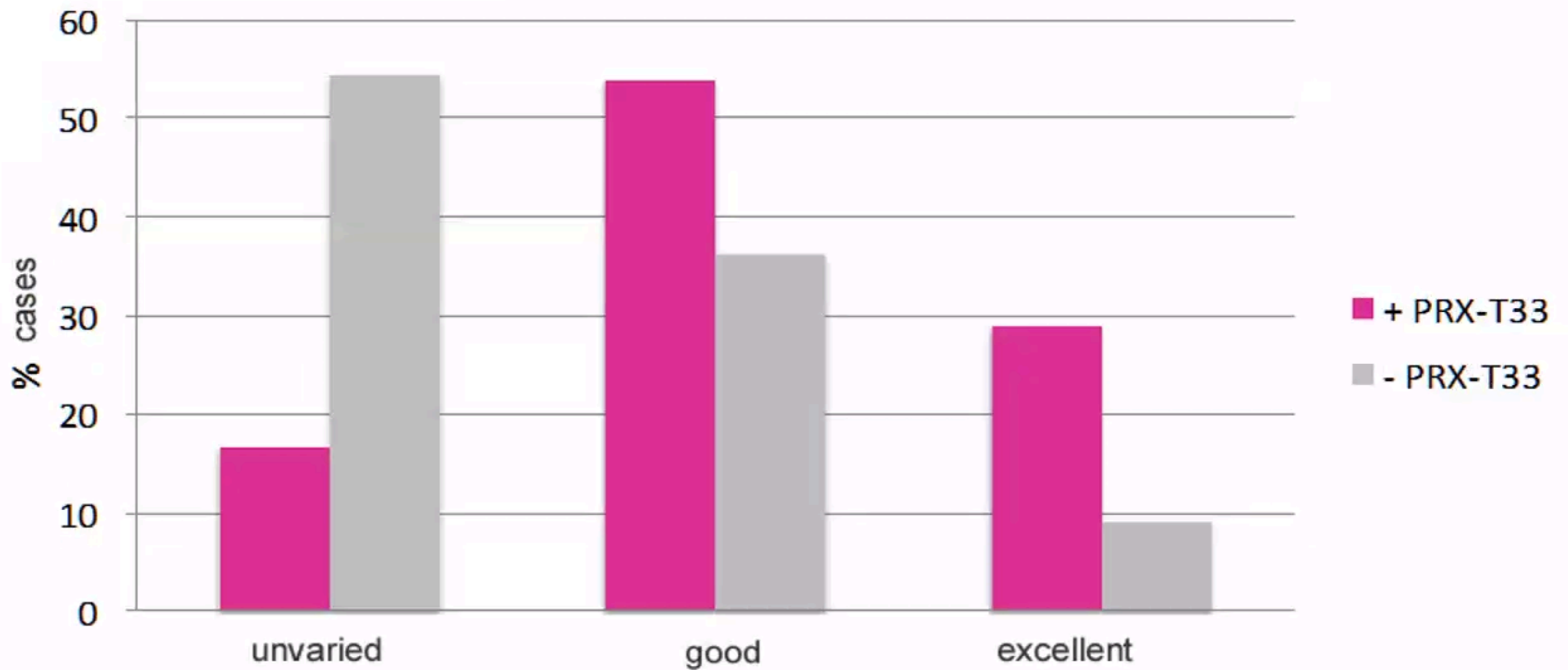
MALES



RESULTS

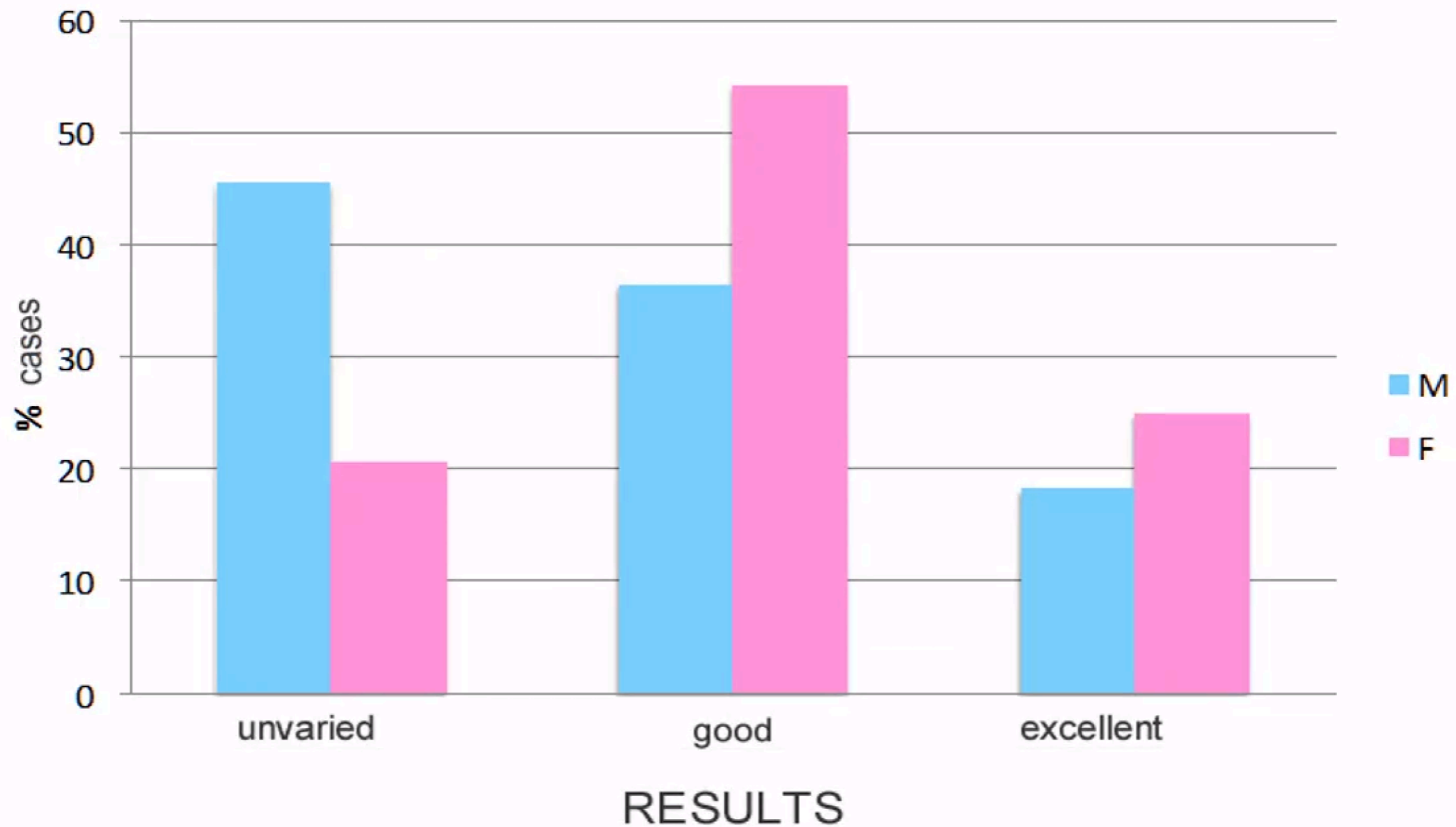


TOTAL POPULATION



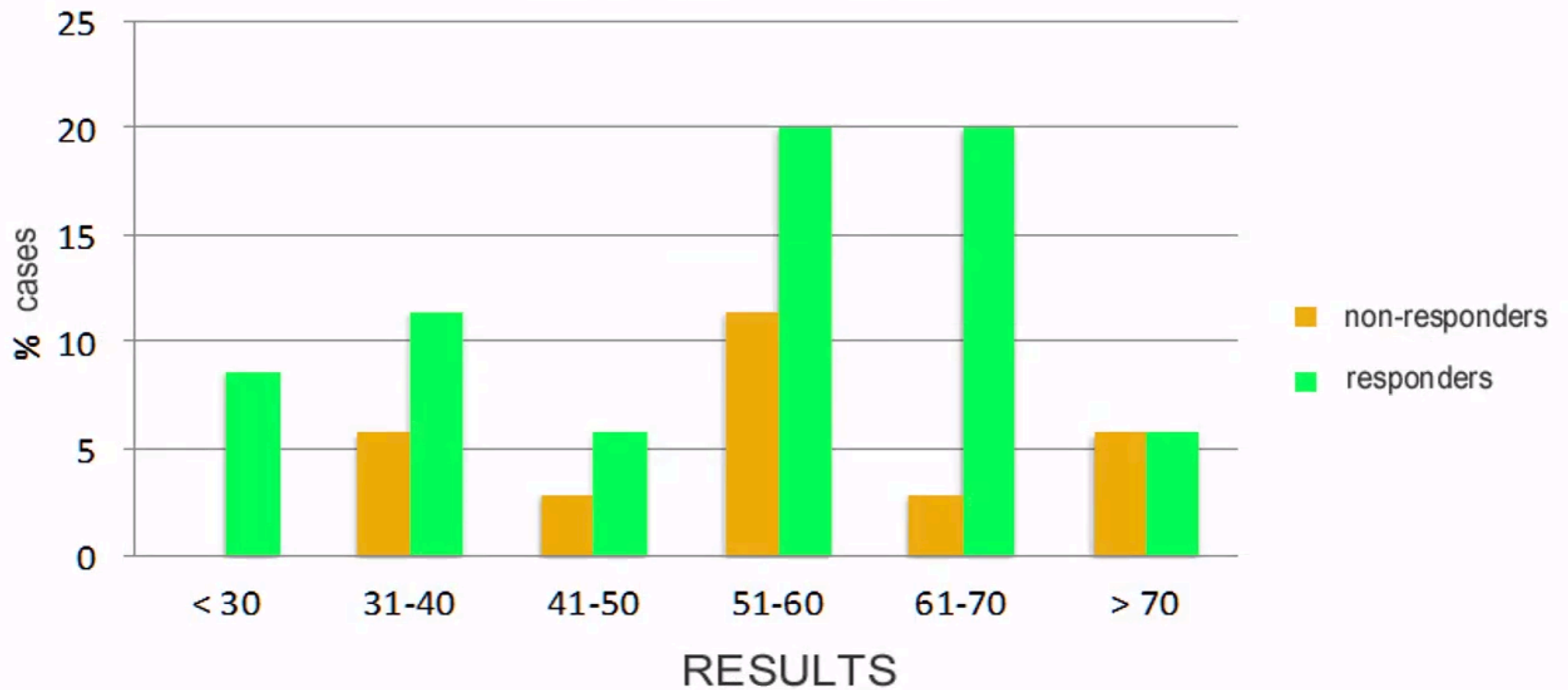


MALES vs FEMALES





TOTAL POPULATION



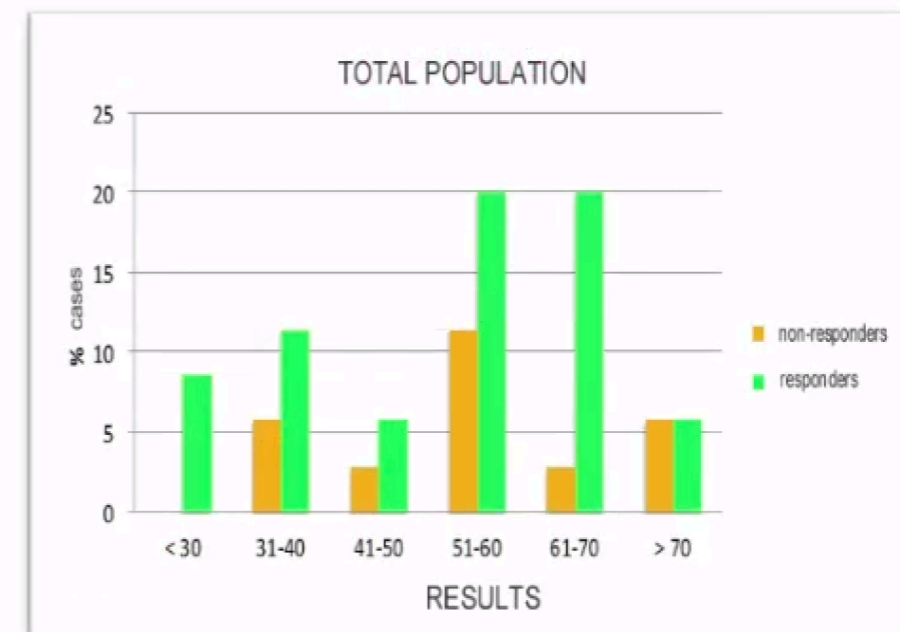
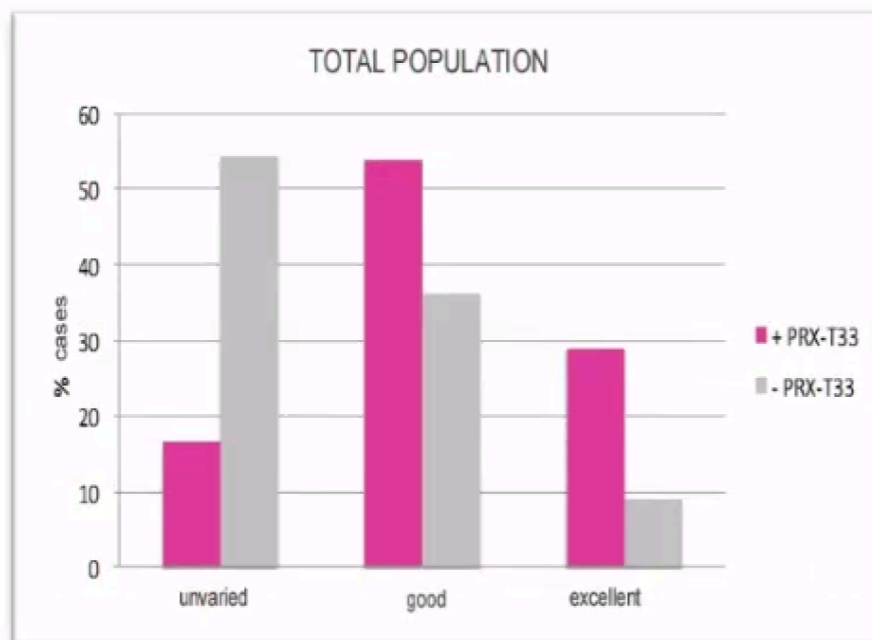


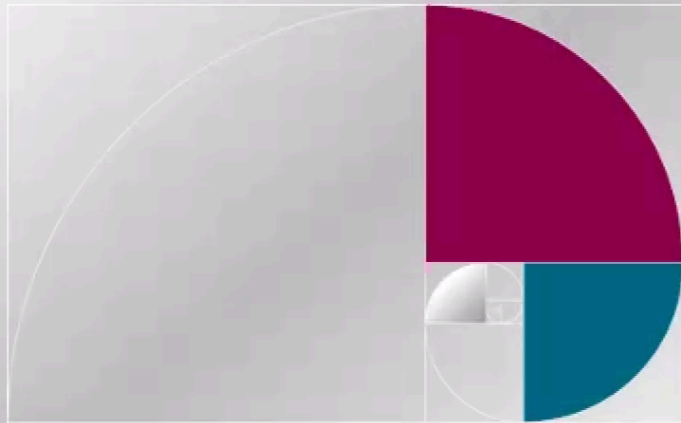
CONCLUSIONS

- **Positive responses were obtained in all age ranges**
- **Best results in patients over 50**
- **With prestimulation (PRP associated to PRX-T33) :**
only 16% non-responders
- **Without prestimulation (PRP stand-alone):**
33% of female and 80% of male patients did not respond to the PRP treatment



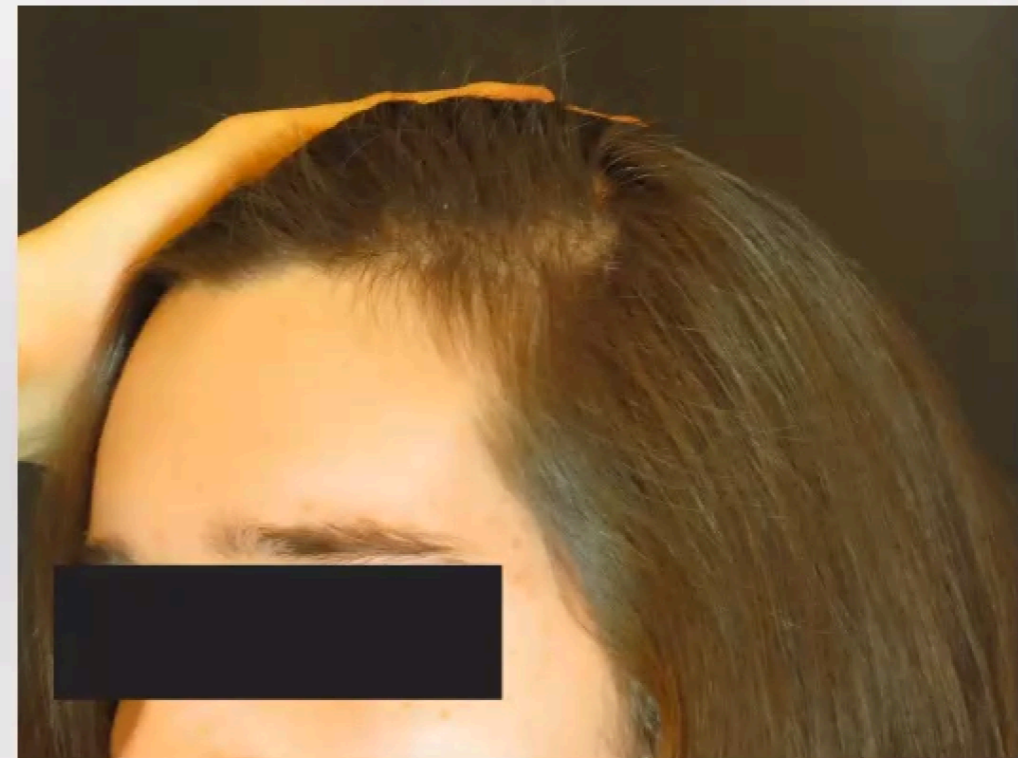
- **fewer non-responders**
- **amplified results**
compared to non- pretreated controls



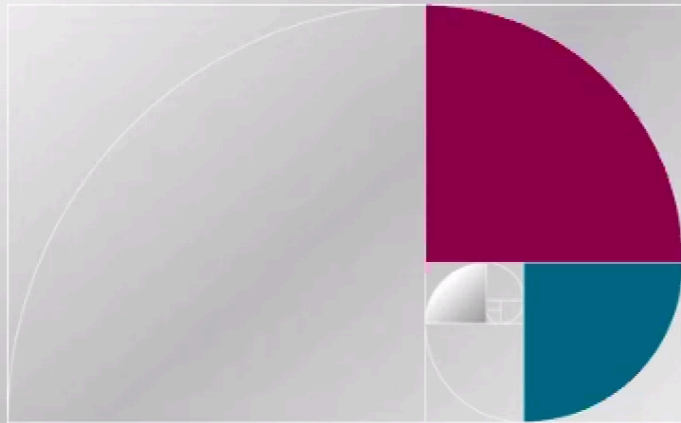


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J.D. ♂ 22 yo



- **from III to I stage according to Hamilton-Norwood scale**



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J.D. ♂ 22 yo



- **from III to I stage according to Hamilton-Norwood scale**





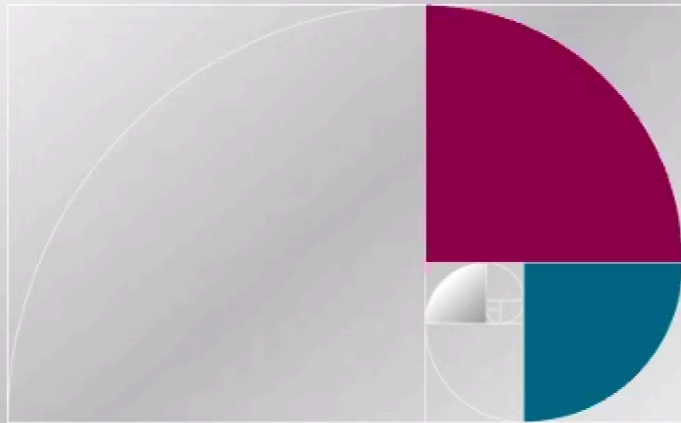
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L. C. ♂ 32 yo



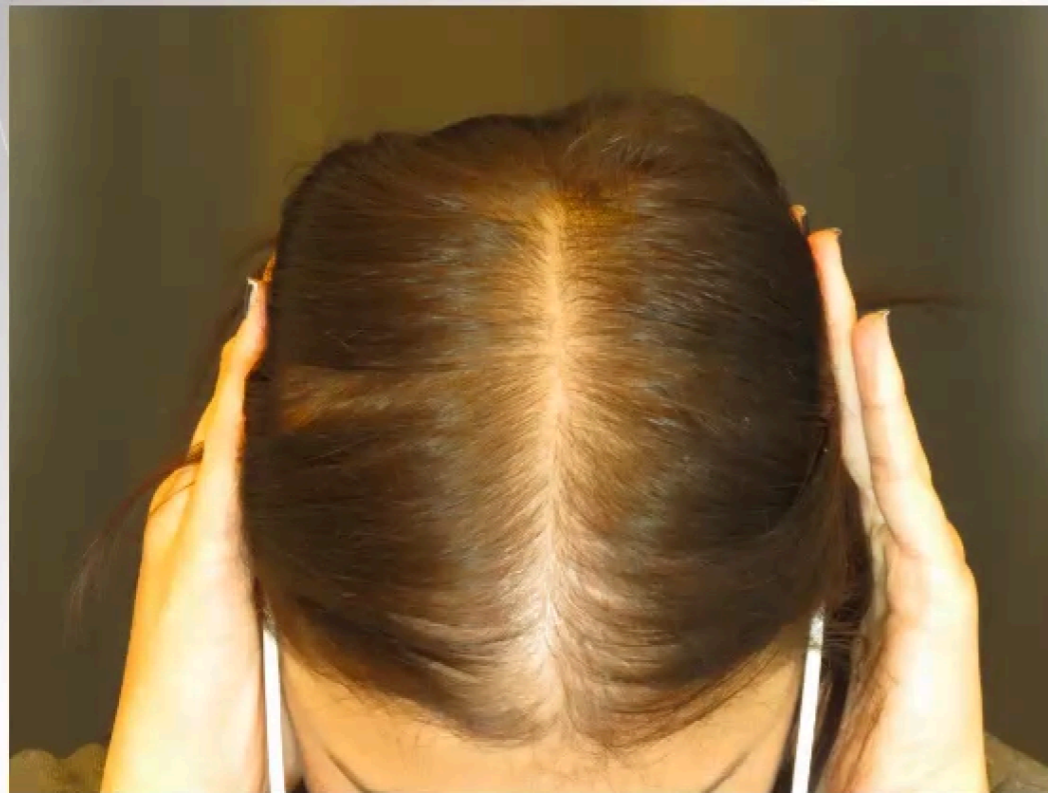
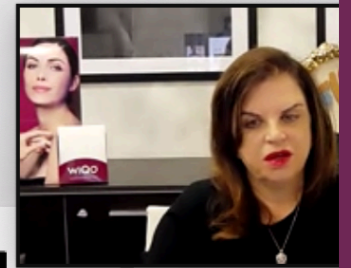
- **from III vertex to II stage according to Hamilton-Norwood scale**



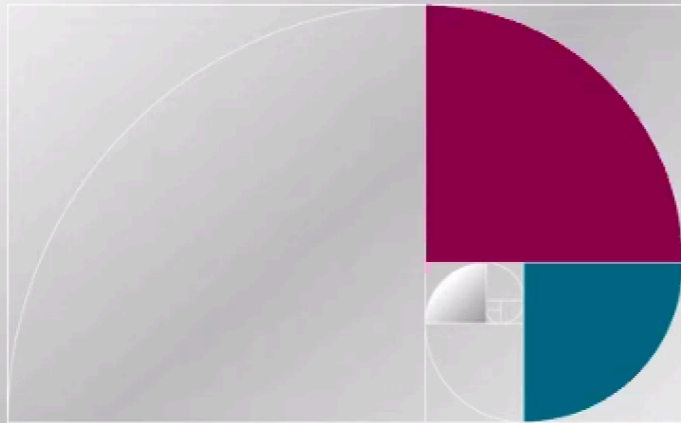


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E. M. ♀ 24 yo



- **Form stage I-3 to stage I-2 according to the Ludwig scale**

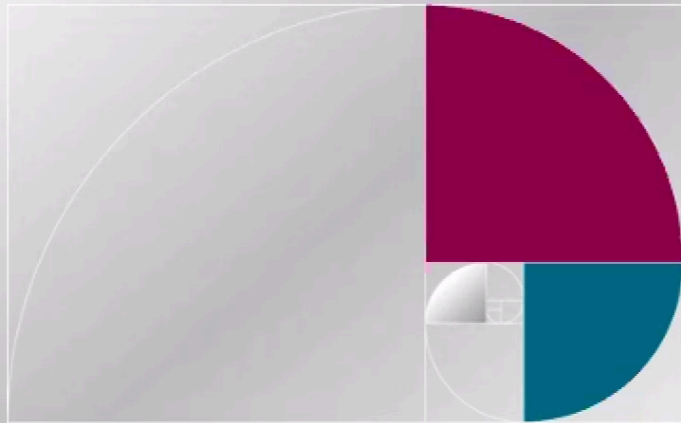


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L.P. ♀ 67 yo

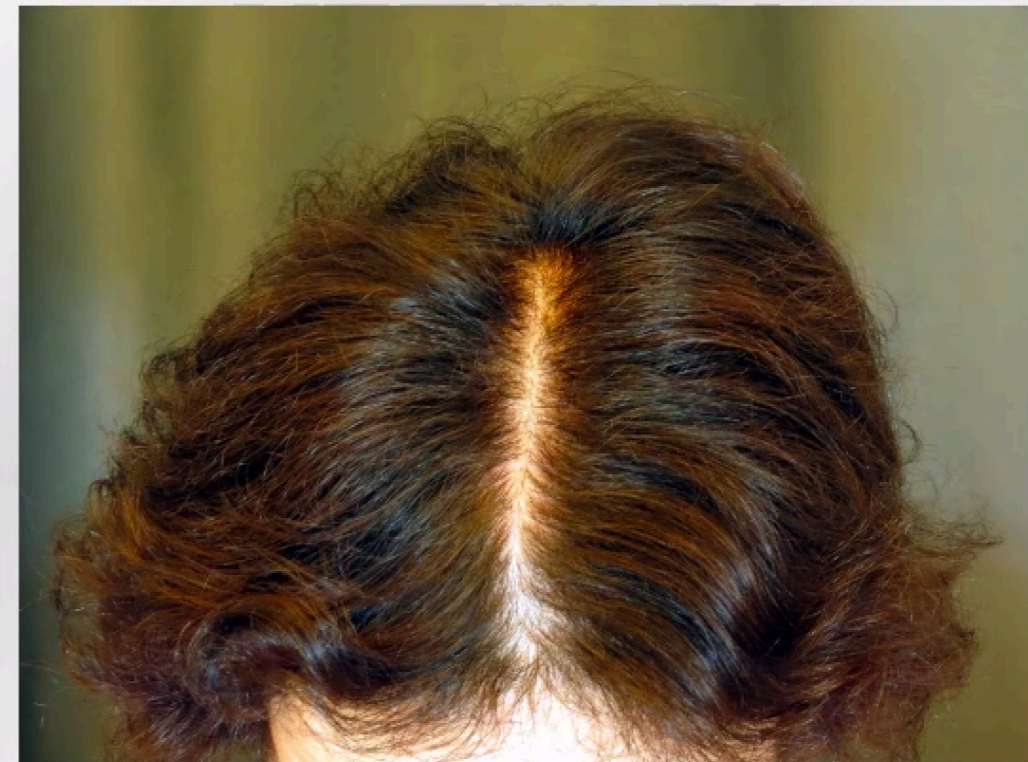


- From stage I-3 to stage I-2 according to the Ludwig scale

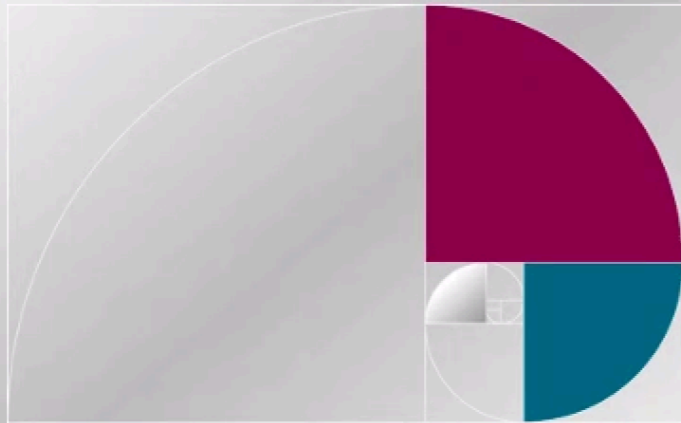


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R.R. ♀ 61 yo



- **From stage I-4 to stage I-1 according to the Ludwig scale**

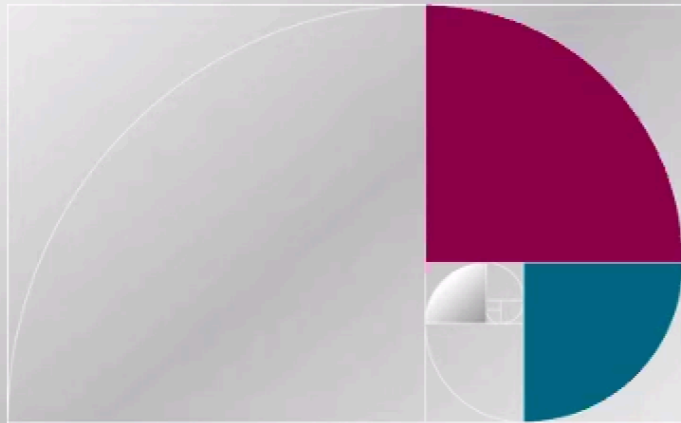


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R.C. ♀ 62 yo

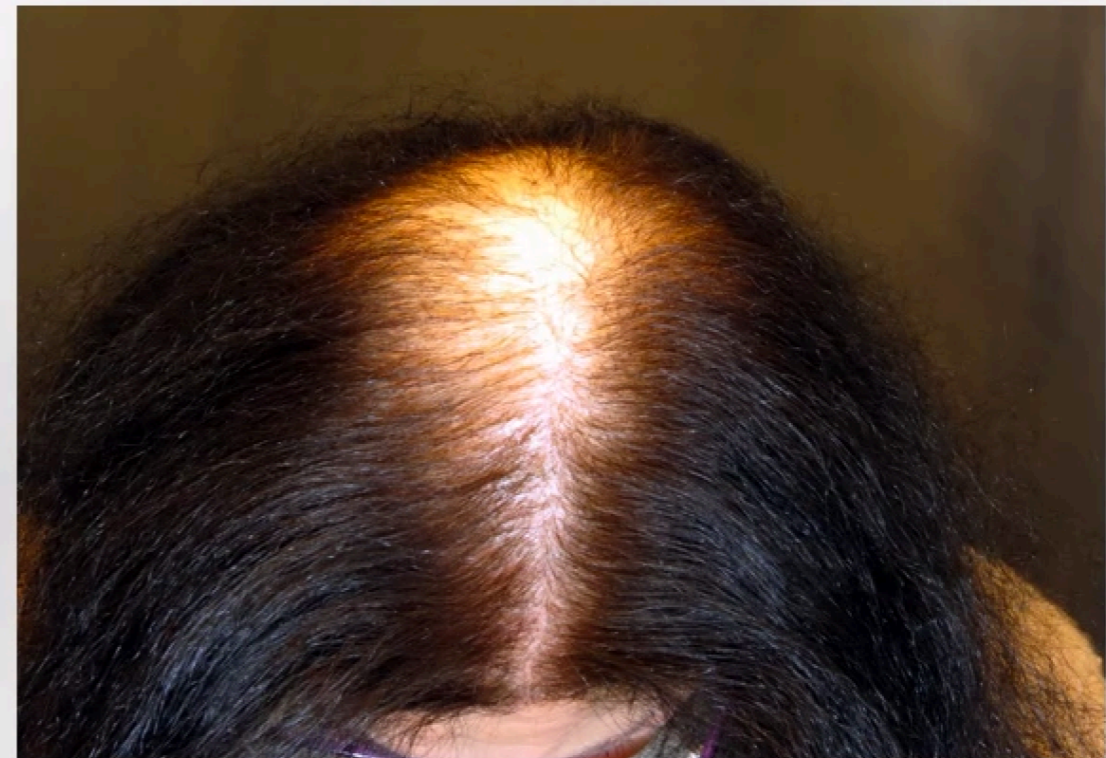


• From stage I-4 to stage I-2 according to the Ludwig scale

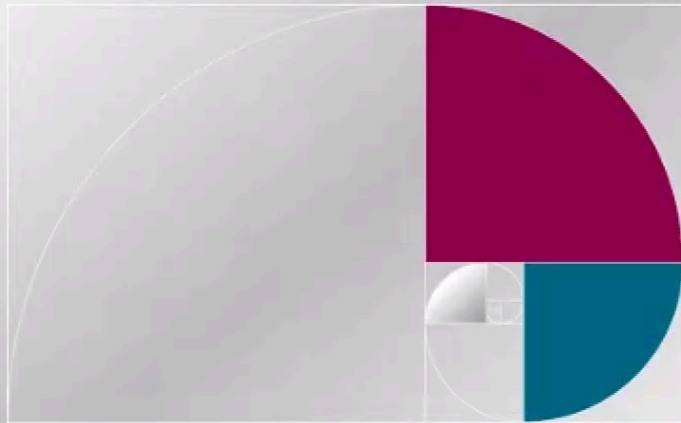


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A.R. ♀ 53 yo



- **cicatricial alopecia: before and after 4 PRP sessions**



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G.C. ♀ 59 yo



Alopecia Areata

Discover More:
suissemedicare.ch/prxt33