PRRS in Spain

Albert Finestra Uriol



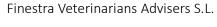
PRRS IN SPAIN: ROSALIA, a practitioner point of view

- >Who I am?
- ➤Origin of the strain ?
- ➤ Current situation
- ➤Impact:
 - √ Health
 - ✓ Moral (farmers, vets)
 - ✓ Economic

 \succ How do you diagnose it and how do you manage it ?

Curriculum vitae

- DVM UAB (1987-1992)
- Oct 1992 worked for Leridana de Piensos (60000 sows)
- MSc in UAB (1993-1995)
- Jan 1996 Vall Companys (>170,000 sows)
 - 1996-1999: Field vet of sow farms unit .
 - 1999-2001: Chief of sow farms unit.
- 2001-2003: Commercial director of Mevet
- In 2003 founded my own consultant company: Finestra Veterinarian Advisers



- 3 vets and 1 agronomist
- Specialists in pig production and nutrition.
- Main activities:
 - Advising farmers about production efficiency.
 - Advising big groups as a second opinion.
 Advising pharmacoutical companies.
 - Advising pharmaceutical companies.Advising nutrition companies.
 - Advising Government about disease eradication programs.



Advising small customers

- Small companies without own vets
- Producing its own feed.
- Company size: 400-3000 sows.
- Visit every 3 weeks or emergency visits.
- Relationships with authorities (Official vet of the farm)
- Advising about management, health and efficiency.



Advising big groups as a 2nd opinion

- Under company request
- Company size: 10.000-170.000 sows
- Consulting doubts about:
 - Genetics.
 - \bullet Technical Support to vets of the farms of the company.
 - Training of farmers



Advising of the government

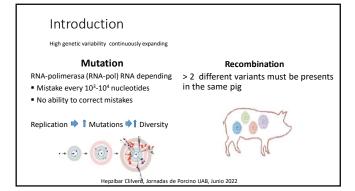
- External field advising veterinary for the ADV National eradication program in Spain and control of swine diseases.
- As a member of National Swine Association, participating in different consulting panels of Swine industry policies.

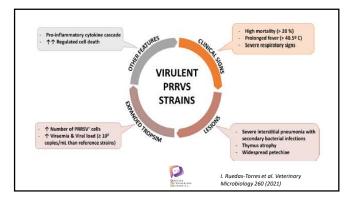


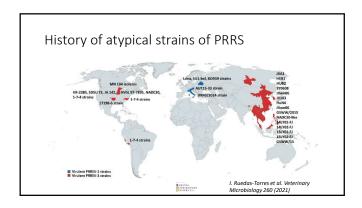
Introduction:

- Field vision based:
- In my experience, 1992-?
 In science, CRESA and University of Minnesota
 In the experiences shared with veterinarians from all over the world.
- Aujeszky eradication in Spain and two outbreaks of CSF
 My idea is to share doubts and possible solutions.

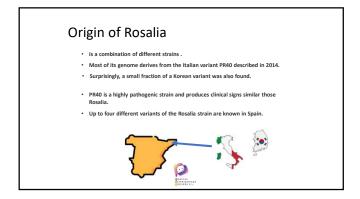


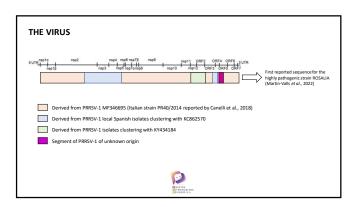


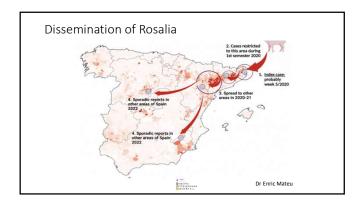


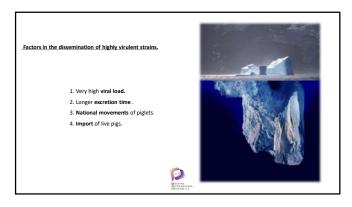


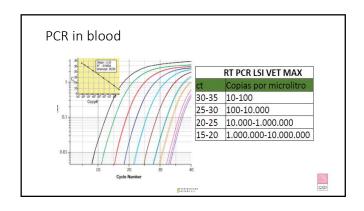
PRRS IN SPAIN: ROSALIA, a practitioner point of view ➤ Who I am? ➤ Origin of the strain ? ➤ Current situation ➤ Impact: √ Health ✓ Moral (farmers, vets)
✓ Economic > How do you diagnose it and how do you manage it ?

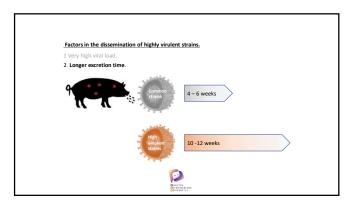




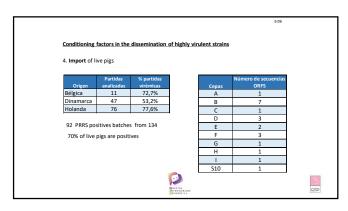


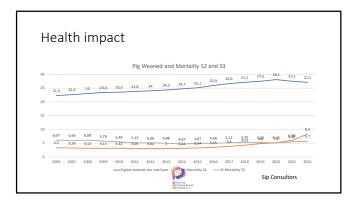












Health effects in side one

- \bullet Increasing abortions: 2,5 % before Rosalia 4,2 % after.
- Increasing mortality in farrowing crates: 13,5 % vs 15,5 %
- Increasing stillborn: 1,3 vs 1,6Increasing mummies: 0,4 vs 0,8
- On average, we need 20 weeks recover to pre outbreak production data.

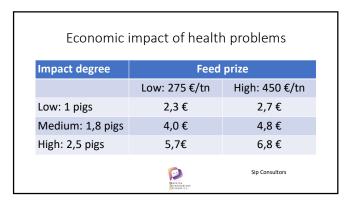


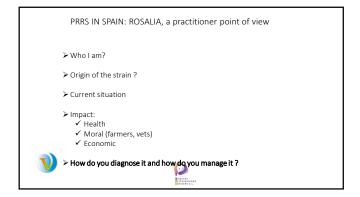
Moral

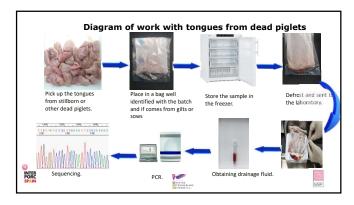
- The outcome for farmers is related to their income. There are farms that earn more money than others and Rosalia causes and increase in those differences.
- In other way as the pig sector is still Spain is too strong and it has grow in these period.
- For vets it's a new opportunity to learn and for our clients to trust us. We have learned a lot about how to manage it.



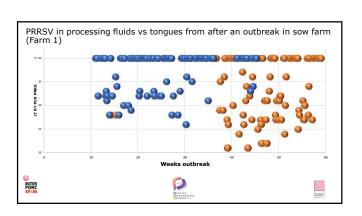






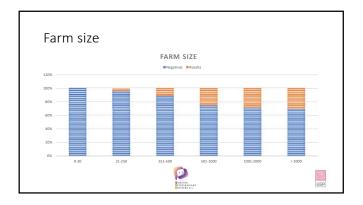


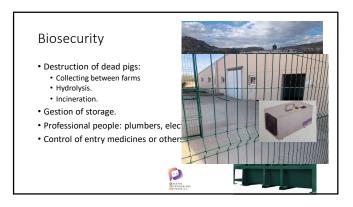
Diagnoses • Every batch we take tongues and perform PCR against PRRS • Organize in pools, for example: gilts vs sows • The cost for every PCR is 25 € • If the PCR is positive, then we order sequencing ORF5 • The cost is 200 € per sequence.



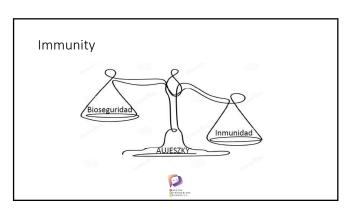


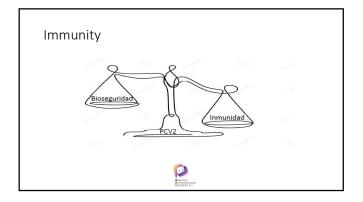


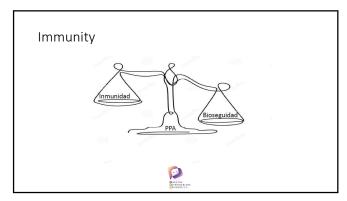


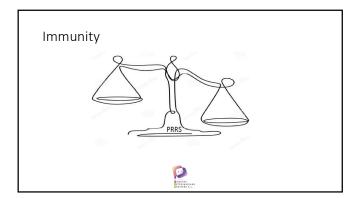












Control the outbreak

- Try to stop recirculation of virus as soon as possible
- Stop vaccination during the outbreak,
- Stop introducing gilts during the outbreak.
- Introduce Mc Rebel techniques as strict as possible.
- Using diagnoses try to known when the farm stop shedding.





Field conclusions

- The incidence of highly virulent strains of PRRS has increased in recent years.
- The damage of these strains are greater.
- We have determinate different risk factors.
- Even so, the strain is controllable with strict efforts of high biosecurity.







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