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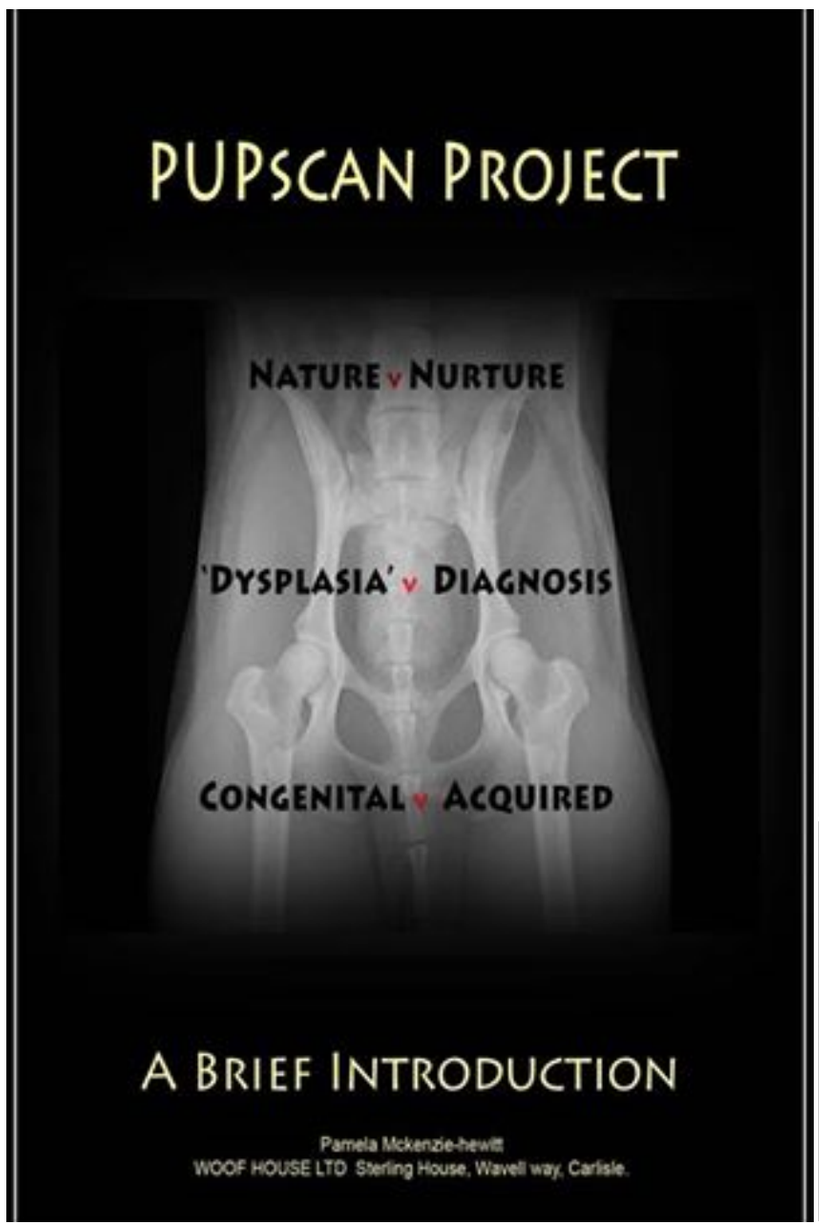
**PUPscan** added 6 new photos.
Yesterday at 09:57 ·

There has been a huge and very positive response so far to PUPscan, thank you to everyone who has shown an interest and booked a place on our forthcoming seminars. More dates will be added shortly including one in Ireland. We welcome any questions you may have about PUPscan and attach an informational document on some of the most asked ones.





Like | Comment | Share

1 | Chronological

1 share | 8 comments

**Jemima Harrison** I'd be interested in seeing the science on this?
Like · Reply · 5 hrs

**PUPscan** Hi, Jemima, You would be very welcome to attend one of our seminars in which all is discussed in detail.
Like · Reply · 4 hrs

**Jemima Harrison** I am sure you can refer to some peer-reviewed literature to support your stance that US dx is accurate and predictive? Or perhaps this is more of a research project?

Like · Reply · 4 hrs

**Jemima Harrison** I was wondering if you could also tell me in what way the Kennel Club is supporting you?

Like · Reply · 4 hrs

**PUPscan** Hi Jemima, We note your journalistic pedigree.

Like · Reply · 4 hrs

**Jemima Harrison** Right. I am supportive of anything that might improve dog health, and wouldn't it be wonderful if there truly was a way to assess hip health without an anaesthetic + x-ray. But from your unprofessional response I can only assume you don't have any actual data showing that the imaging is accurate or predictive. If that's the case, you should be more honest with breeders and you should not be charging people £60 for a technique that is not proven. I would also be very surprised too if there's any formal support from the KC - other than as a research project - for something that has not yet been proven. But I will check direct given that answers are not forthcoming from yourselves.

Like · Reply · 3 hrs

**Jemima Harrison** I thought I'd ask Gail Smith what he thought. His response: "There are many papers in the veterinary literature attempting to use ultrasound testing as a means to diagnose hip dysplasia. No methods have been shown to have acceptable predictive accuracy. This human doctor should read the literature and learn how hip dysplasia in the dog can develop long after 6 weeks of age when he is suggesting testing should be done. He is making an unfounded assumption that hip dysplasia in puppies and human neonates is the same"

Like · Reply · 1 hr · Edited

Write a reply...

**Carol Beuchat** I too would be quite curious to see the science supporting this. (Carol Beuchat, PhD; Scientific Director, Institute of Canine Biology)

Like · Reply · 2 · 3 hrs

**Carol Beuchat** You note that "measurements are taken". Which measurements would those be?

Like · Reply · 1 · 3 hrs

**PUPscan** It good to hear from you Carol because we have been impressed by your writing on this subject and in particular your quotes from Dr Riser as long ago as 1975. At that time the technology that PuPscan is using had not been developed. He makes a particular point that if the soft tissues are not suficiently strong to maintain congruity of the joint this might lead to 'Dysplasia' Unfortunatly one of the markers in the hip 'Dysplasia' score is Laxity which is reveiled only under general anaesethic and with muscle relaxation which makes nonsence of the fundimental principals he laid down in 1975. PuPscan needs no anaesthetic and no muscle relaxation and, furthermore, is carried out in the anatomical load bearing position. We are certain from the mountain of research Dr Riser completed that he would have welcomed this refinment with open arms as it complies completly with his principals, which you have quoted.

Like · Reply · 3 hrs

**Carol Beuchat** I'm glad you've done your reading. The evidence is quite clear that laxity is the predisposing condition for the development of hip dysplasia. If you are not evaluating laxity, and you can't in a standing, unanesthetized dog, then what are you measuring?

Like · Reply · 1 · 3 hrs

**PUPscan** Hi Carol, It is esential to differentiate between natural generlised ligamentous laxity and post traumatic laxity; this is easy to see on x-ray as they have been carried out over the last 40 years when one hip is lax and the other is not. In congenital laxity both joints will be similarly lax. Dr Riser refers to the pathological processes in humans and dogs being similar and Mr Maclellan (Consultant Orthopaedic Surgeon) has been treating babies with hip 'Dysplasia' for over 40 years as well as carrying out decades of research into the mechanical causes of Osteoarthritis . In humans there is no strong evidence that generalised ligamentous laxity causes Osteoarthritis and indeed if it did almost every gymnast and dancer would be crippled. We know that this is not the case and that Arthritis develops almost exclusivly in joints rendered unstable through injury. There are other mechanical factors predisposing to Osteo-arthritis in humans that also apply to quadripeds and we are therfore in agreement with Dr Riser's views about similaries between humans and dogs.Orthopedic surgeons and vets need to work together if animal are to benefit.Perhaps we could refer you to the work

done by Professor Eric Radin at Harvard and at Morgantown where he and Mr Maclellan co-operated in their research projects.

Like · Reply · 2 hrs

**Carol Beuchat** But again, you cannot assessing laxity in a puppy while weight-bearing, and Riser is quite clear that the hips in newborn puppies are ALWAYS normal and the ligaments extremely tight (i.e, there is no evidence of "congenital laxity"). You are claiming t... See more

Like · Reply · 2 hrs

Write a reply...

**PUPscan** Hi Carol, Dr Riser was unable to image the new born puppy hip with x-ray any more than Orthopaedic surgeons could image neonatal baby hips in the 1970's. Templates in those days were notoriously inaccurate and it was only when we evolved Ultrasound imaging that we could screen large numbers of infants without hazard and with a high degree of specificity. I would suggest you read the Graf scoring system so you understand the tremndous detail we can show with approprate Ultrasound imaging. Mr Maclellan has used this for over 30 years and he is certain that paediatric Orthopadedists all over the United States will attest to the validity of the method. We also know that femoral head ossification begins at about 6 weeks and epiphyseal closure occurs between 8 and 12 months depending on breed and gender. Until the epiphysis has fused it is at risk from other disorders like slipping and Perthes dieases, both of which produce poor hip scores but propably do not have a genetic basis.

Like · Reply · 1 hr

**Carol Beuchat** Still, you havern't answered my QUESTIONS.

What exactly do you measure?

What evidence is there that whatever you are scoring is predictive of the development of hip dysplasia?

What value is there in imaging a cartilagenous joint that is yet to be formed?

What is the basis for your claim to be assessing "congenital genetic dysplasia"?

Needless to say, I am well read in this field and familiar with the work that has been done in humans as well. Suggesting that I do some reading about a scoring system used in humans isn't going to convince me that you are doing anything useful in dogs. None of the comments you have made above are relevant to the question of whether what you are doing has any value at all.

Without answers to some basic questions, and some data that indicate that what you are measuring is predictive of (or even associated with) the development of hip dysplasia, I remain completely unconvinced that you have anything useful to offer breeders for their fee.

I have been asked to comment about this program. I am giving you every opportunity here to provide some reasonable information indicating that there is any science based on dogs that supports any of your claims.

Like · Reply · 1 hr

Write a reply...



**PUPscan** Hi Carol, Who asked you to comment on our Project? The loss of genetic diversity that has so damaged pure bred dogs in the last few decades is arguably the direct consequence of eliminating hundreds of thousands of genetically healthly dogs from the gene pool on the basis of a scoring system that cannot and does not diferentiate between congenital dieases and trauma. Whlie your D.N.A. tests will undoubtably help eliminate complex diseses from dogs, particulay in the heart and nervous system they are uterly worthless in the face of post traumatic change being expressed as a genetic 'Dysplasia'. With every year that goes by the gene pool shrinks through this mistaken assumption that all 'Dysplasia' as currently measured has a genetic basis. I think that your inability to grasp the simplicity of our project which can only enhance your EBV's is disappointing because you need more than D.N.A. tests to breed healthy puppies. It is now almost midnight here and we will not be responding to any more of your comments tonight.

Like · Reply · 42 mins

**Carol Beuchat** -
Interesting response.

No, I don't get the "simplicity" of your project, because you haven't offered any evidence that it has anything useful to offer. And you haven't answered the questions that would provide this information.

Here's the issue. The hip joints of puppies at 8 weeks are cartilage. There will be no evidence of hip dysplasia, genetic or otherwise, in an 8 week puppy, or a 4 week puppy, or a 2 week puppy, or any puppy with joints made of cartilage, unless it's been tossed off the roof a few times. So you can collect your money, hand out a certificate stating that you found no evidence of hip dysplasia at 8 weeks, and that would be true.

When a puppy goes on to develop dysplasia, you can then claim that it must be due to non-genetic factors, because the hips were "normal" at 8 weeks when you would have detected "genetic", "congenital" hip dysplasia. Of course, you do not assess laxity, which might have been at least nominally informative (e.g., as in a hip with broken ligament that can be subluxated). Riser would agree that it is biomechanics that results in the deformation of the hips that is manifested as hip dysplasia, but he ALSO makes it clear that genetic differences in body structure are also involved.

You know, it is important that we get things like this right. There are many breeders that will use the tools we provide them and will make every effort to do what is necessary to produce healthy, happy puppies. I would love to know that you have something useful to offer them. But I don't see it, and you're not offering the information that will convince me. Why? It doesn't escape me that you call this a "Project" and not a "test" or a "diagnosis" or some other term that denotes more than an activity of some sort. I can't help but be suspicious. You will be collecting money from people, but what useful information are you offering, and what is the PROOF that it is useful? This evidence should be front and center, yet you refuse to provide it. I'm not trying to be adversarial here, but do understand that ANYBODY using your "project" should be asking these questions. Surely you have answers?

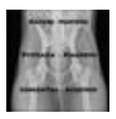
While your certification that you find no evidence of hip dysplasia in the ultrasound of somebody's 8 week puppy might be true, it is, as far as I can tell, misleading and meaningless. I would argue further that you have done enough homework to know that the evaluations as described are specious and unethical.

I too am disappointed that I am still unable to grasp the simplicity of your "Project". If it was so simple, I would have thought it would be easy enough to explain. Plus, I still have my list of unanswered questions, which you have been every opportunity to address. I'm still open to evaluating any information you might submit to the contrary before I write my review.

Like · Reply · 6 mins · Edited

ICB

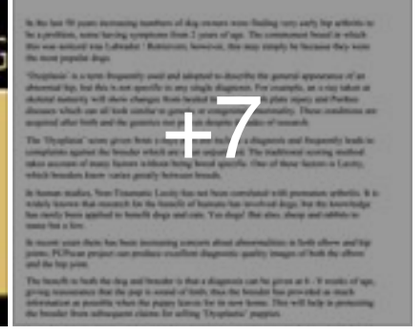
Write a comment...



**PUPscan** added 10 new photos.

13 hrs ·

There has been a huge and very positive response so far to PUPscan, thank you to everyone who has shown an interest and booked a place on our forthcoming seminars. More dates will be added shortly in the UK and in Ireland.
We have already received enquiries from as far away as US and Australia and Europe.
If your Breed Club or several Breed Clubs are interested in getting together and organising a seminar please contact us at pamela.mckenziehewitt@yahoo.co.uk or lawlessjean@gmail.com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Andrea Akkad and 3 others Chronological

2 shares

**Andrea Akkad** Carol Beuchat
Like · Reply · 6 hrs

Write a comment...

**PUPscan**
27 mins ·

We here at PuPscan have recieved some comments from Jemima Harrison, you will have noticed we have not responded. Some of you will remember Jemima Harrison as the Director of the Pedigree Dogs Exposed in 2008. The reason for not responding to Jemima is that we only give live interviews to Broadcast journalists to avoid editoral manipulation.

Like Comment Share

Andrea Akkad

Write a comment...

**PUPscan** shared their post — with Jean Lawless Revloch.
5 hrs ·

**PUPscan**
5 hrs ·

I would like to remind people that this page is not here to promote other individual businesses; It is about information that we make available to all. FREE....

See more

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1 Chronological

**Andrea Akkad** Have sent a pm- if I should contact you in a different way, could you please let me know? Thanks.
Like · Reply · 5 hrs

Write a comment...

**PUPscan**
5 hrs ·

I would like to remind people that this page is not here to promote other individual businesses; It is about information that we make available to all. FREE. If anyone feels they want to attend one of our seminar they are very welcome. PUPscan will not under any circumstances accept or totorate any attempts to discredit our work that is NOT evidence based. The KC are working with us to acheive a better understanding of canine health and welbeing. This is about working co-operativly in a multidisaplinary team.

Like Comment Share

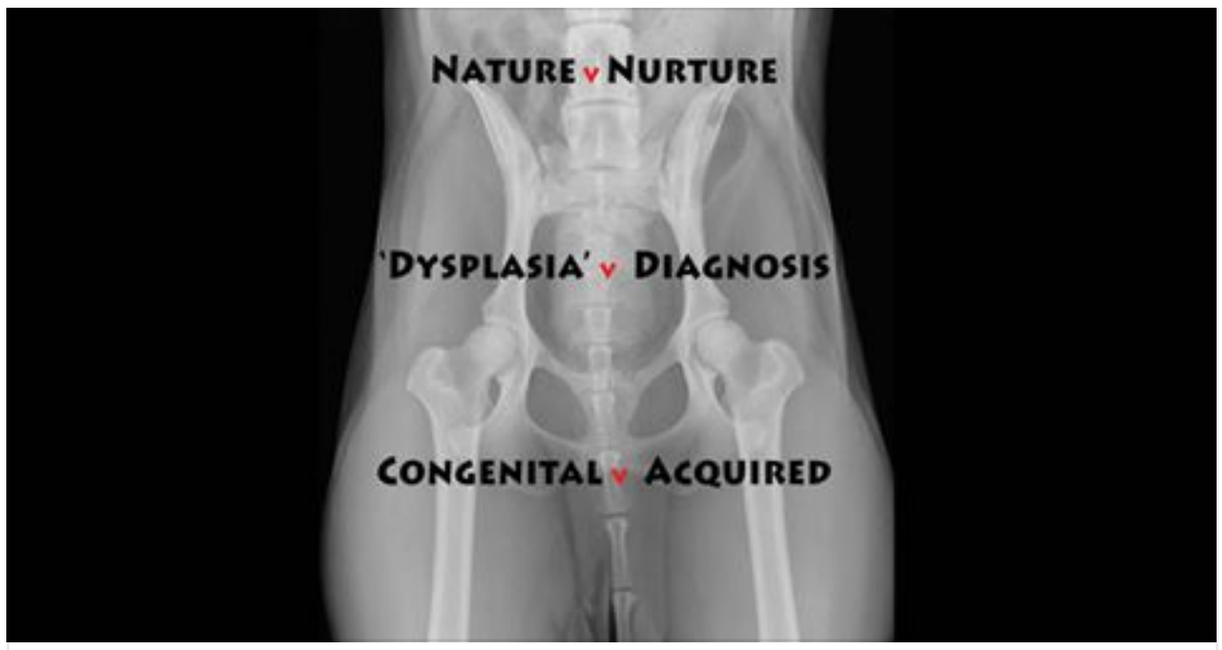
Andrea Akkad and 1 other

1 share

Write a comment...

**PUPscan** added an event.

5 hrs ·




FEB
12

**PUPScan Seminar**
Sun 19:00 UTC

★ Interested

Like Comment

**PUPscan**

9 hrs ·

Hi all, Can I please remind everyone who is planning to attend the 2nd March seminar held at Gretna, please register your place with us by contacting us on 07500311900 or via email Pamela.mckenziehewitt@yahoo.co.uk. Places are filling up and we do not want have to turn people away who have not registared.

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**PUPscan** shared their post — with Jos Strik and 47 others.

13 hrs ·




+7


**PUPscan** added 10 new photos.
13 hrs ·

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There has been a huge and very positive response so far to PUPscan, thank you to everyone who has shown an interest and booked a place on our forthcoming semina...

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