



TOPLINES

Miniature Schnauzer Club of Michigan

Life is 10% what happens to you and 90% how you choose to react to it

TOPLINES

Miniature Schnauzer Club of Michigan

March/April
2016

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Three Key Strategies To Reduce Genetic Disorders In Dogs

In many breeds, dodging genetic disorders is becoming a significant problem because troublesome recessive mutations can be widespread in the population. The need to avoid producing dogs that are homozygous for a particular mutation drives the search for the gene and subsequent development of a genetic test. In many cases, these efforts are funded by breeders who believe that "identify-and-eliminate" is the best strategy for dealing with the problem. (See Managing genetic disorders: "Just eliminate the bad gene".)

Unfortunately, because there can be dozens or even hundreds of disease-causing mutations in every dog, there will always be another genetic problem waiting in the wings to suddenly pop up in a breed. If we had tests for all the mutations found in purebred dogs, both the ones we know about and the ones that have not yet been identified, it would become impossible to breed if breeders wanted to avoid every risk.

You can appreciate the futility of this search-and-destroy strategy when you see that even now, the number of known disorders in dogs outstrips the available tests. This is genetic whack-a-mole, and it

will be no more successful in eliminating genetic disorders in dogs than the strategy of trying to rid your yard of moles by shooting just the ones that stick their heads out of a hole. Claiming that a dog is "health tested" and therefore a good candidate for breeding is wholly misleading when there might be 5 available tests for a breed, but there are also dozens of known disorders without tests and more appearing every day (What does "health tested" really mean?). We are trying to eliminate lung cancer without giving up cigarettes. We can spend millions on research and testing to battle genetic diseases in dogs, but we cannot win this fight unless we change the breeding strategies that produce the problems in the first place. Most genetic disorders in dogs are caused by recessive mutations that have been lurking harmlessly in the gene pool for hundreds of generations. They suddenly become a problem because of the way we breed purebred dogs, by inbreeding in a closed gene pool. The level of inbreeding in a closed population will increase relentlessly, and as homozygosity increases so will the expression of disease-causing mutations. This is not just predictable, but

inevitable. In an ideal world, studbooks would be open to the introduction of new dogs that could benefit the gene pool, and there are a few kennel clubs that are now permitting and even encouraging this. But whether the gene pool is open or closed, producing healthy animals requires a healthy gene pool, and for this breeders need to practice sound strategies for genetic management. In an open gene pool, this will prevent the development of problems, and in a closed one it will reduce the incidence of genetic disorders and the rate of genetic decline. Here are three basic principles of sound genetic management that breeders can adopt to reduce the frequency of genetic disorders in their breed. 1) Increase the number of breeding animals. Smaller populations become inbred more quickly, so the simplest way to reduce the rate that inbreeding is to maintain a larger population of breeding animals. The easiest way to do this without producing an oversupply of puppies is to increase the number of different sires being used in breeding. Instead of a few individuals producing most of

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Miniature Schnauzer Club of Michigan

Dinner/Meeting

April 30, 2016

GUEST SPEAKER:

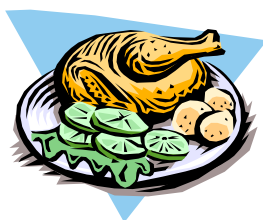
Dr. Will Schultz

Bavarian Inn Restaurant

713 S. Main Street

Frankenmuth, MI 48734

Phone (800)228-2742



US-23/75 to Exit 136 (Birch Run)

**Turn East & proceed to M-83, turn left, proceed to downtown,
on the right after the covered bridge**

Cash Bar Social Hour at 5:00-6:00pm

Dinner served at shortly after 6:00 pm

General Meeting to follow

MENU:

**Family style chicken dinner with all of the accompanying
side dishes plus dessert. Coffee, pop and tea included. Cash Bar.**

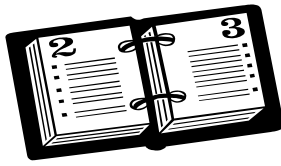
Cost is \$28 per person (tax & gratuity included)

Children under 12 get a discounted price.

*(club member's pay \$10 for their dinner, and also 1 guest per member pay \$10 for
dinner, with the club picking up the difference. Members & guests will still be re-
sponsible for cash bar drinks.)*

**RSVPs are needed by Monday, April 25. Please RSVP to the yahoo group
or quinndixie@gmail.com or Sue Q. at 586-532-0725.**

AS ALWAYS GUESTS ARE WELCOME!!



2016 Calendar of Important Events

APRIL 30

MSCM Dinner Meeting- Bavarian Inn, Frankenmuth (see page 3 for details)

JUNE 25-

Dinner meeting at restaurant near Novi Show location. This is the week-end of DKC show

JULY 29-

MSCM Agility Trial, Dexter, MI

AUGUST 27-

MSCM Meeting at Joanne Forster's residence in Elkton

SEPTEMBER 30-

MSCM Fall Specialty Show-Monroe, MI-Monroe County Fairgrounds

OCTOBER 7-9

Montgomery County Weekend-Pennsylvania

OCTOBER 16- Meeting at Sue Quinn's House in Macomb
MSCM Dinner Meeting

DECEMBER - 10

MSCM Christmas Banquet & Awards
Coral Gables Restaurant, East Lansing

MSCM Agility Trial



The
Whelping
Box

**Friday, July 29, 2016
Canine Sports & Recreation Center
Dexter, MI**

**Member volunteers needed! If you can't make it to the trial, volunteer to make food to feed the workers!
More info on the trial to come later**

No litters to announce at this time

The quality of your litter should not only be evaluated by the best in the litter....but by the least. If you are breeding quality animals, even your pets should be good examples of the breed!

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the next generation, limit the number of breedings per individual and make use of more dogs. 2) Eliminate popular sires Popular sires are a double whammy on the gene pool. Not only do they reduce the number of male dogs contributing to the next generation by doing more than their fair share of breeding (see #1 above), they also distribute dozens or even hundreds of copies of their mutations (and ALL dogs have mutations!) in the puppies that they produce. The pups might all be healthy because they got only one copy of a mutation, but a generation or two down the road, those mutations will start showing up in pairs and suddenly breeders will find themselves dealing with a new genetic dis-

ease that seemingly came out of nowhere. In fact, the new genetic problem is the completely predictable result of a breeding strategy that creates many copies of a particular dog's mutations. Blaming the dog ("We didn't have this awful problem until Fido introduced it to the breed!") is only an effort to deflect responsibility, because every breeder that used him as a sire participated in creating the resulting genetic problem. (For more about this, read The pox of popular sires.) 3) Use strategic outcrossing to reduce inbreeding In many breeds, there are genetically-distinct subpopulations of dogs. They might represent bench versus field lines, color or coat varieties, geographic areas, size, or some other factor.

Because they carry genes that will be less common in other groups, they can be used to reduce the level of inbreeding in a litter of puppies. The number of loci that are homozygous (with two copies of the same allele) will be reduced, and therefore the risk of expressing a recessive mutation will be less. An outcross every now and then can be sufficient to reset the inbreeding to a healthier level. By the way, you will hear some breeders claim that outcrossing will introduce new genetic disorders to your dogs. But if you understand how recessive genes work and you practice good genetic management, those new mutations are no different than the ones

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MINIATURE SCHNAUZER CLUB OF MICHIGAN

TOPLINES

is a bi-monthly publication

January-February

March-April

May-June

July-August

September-October

November-December

Editor - Joanne Forster

We're on the Web!

www.miniatureschnauzerclubofmichigan.org

PerformanCe



Five MSCM members made the journey to the Minipalooza and completed in many events. Here are their results.

Lynn Baitinger:

Kelsi earned her MACH 6

Kelsi got a 2nd in Master Fast and Q's in 5 out of the 6 Std. And JWW runs

Kelsi earned two Rally Novice B legs – one a Q and one a 3rd place

She did not Q in Senior Barn Hunt, oh well.

Connor Q'd in Rally Exc. B and Rally Adv. B earning his 3rd leg towards his RAE2.

Lisa Martin:

Sercatep's Blue By You AX, AXJ, RATO, R.N. aka "Kaia":

Total Dog Award

Novice FAST 1st leg with a first place, score of 73.

1st "QQ", 1st MX qualifying run.

Beginner Novice 2 legs. Second place with a 196 (tied for first)

Three qualifying scores to complete Rally Novice title with a fourth and a second place (tied for first with a perfect score of 100).

Kaia earned her three qualifying scores in 3 venues all on the first day of competition.

Beth Santure:

As a breeder I was proud to boast the most Total Dog participants and the most qualifiers with Loneacre prefix!

Spring and I showed in the breed ring all four days as sweepstakes veterans (yes we both qualify in age). She won best veteran in sweeps at the Greater Cincinnati Miniature Schnauzer specialty and was best opposite sex veteran in sweeps the other 3 days. She didn't care for the grooming everyday but showed like a dream. We only entered agility on Friday the only all Schnauzer day and qualified in all 3 of our runs earning another QQ towards MACH 2 and 32 MACH points. Rally novice B was fun, we had three runs and 3 Q's that included two placements 1st, 3rd and our RN title! We had four runs in barn hunt with difficult master courses where we managed to come away with our third master leg and 2nd place. Two seconds from class high score. I have to be quicker to read Springs all clear signal LOL

Of the 20 Total Dog qualifiers only three teams qualified in 4 events and Spring

and I were one of them. She's a special girl, we had so much fun! We returned home with many ribbons and trophies none of which are as special as seeing those liquid eyes and bearded face looking up at you before the start of each run ..."ready!" CH MACH Loneacre's Spring Fling RN MJS MXB RATS

JoAnne Scott:

He earned his Novice Barn Hunt title with two placements, got a beautiful, huge rosette for being in the Top 25 Minis for the 2015 Invitational and running in the Agility Invitational Showcase, earned an American Miniature Schnauzer Club Total Dog Award for Q'ing in 3 different performance events this weekend and 5/6 Q's in agility, some with placements.

Sue Quinn:

Dodger:

Fri-Agility, Open JWW 2nd place, Open STD 2nd place 2nd leg, Nov FAST 3rd place 1st leg.

Sat-Obedience Novice B 1st place & High in Trial, 2nd leg. Rally Adv B 1st place.

Sun-Obedience Novice B 1st place CD Title. Rally Adv B Q'd.

The objective of the Miniature Schnauzer Club of Michigan is to advance the principals and scientific practices in the breeding of purebred Miniature Schnauzers: foster co-operation between breeder, owner, and veterinarian; encourage the exchange of information and experience among the club members and between show-giving clubs; to conduct sanctioned and licensed specialty shows and matches; and to encourage the adherence to the high standards of conduct and to the rules and regulations of the American Kennel Club.



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Show Calendar

Obedience & Rally

2016

May 7 & 8 Obed & Rally
Tri Cities DTC of Saginaw
Flint, MI
Closes 4-20

May 27-29 Obed & Rally
Various kennel clubs
Kalamazoo, MI
Closes 5-11

June 10-11 Obed & Rally
Midland KC
Midland, MI
Closes 5-25

June 18-19 Obed & Rally
Grand Traverse KC
Traverse City, MI
Closes 6-1

June 25-26 Obed & Rally
Detroit KC
Novi, MI
Closes 6-8

Agility

May 6-8
Grand Rapids Agility Club
Kentwood, MI
Closes 4-20
May 13-15
AADTC
Whitmore Lake, MI
Closes 4-28

May 20-22
Mt. Pleasant Kennel Club
Midland, MI
Closes 5-6

May 27-29
CDTC
Grand Blanc, MI
Closes 5-13

June 3-5
Sportsmens DTC
Lapeer, MI
Closes 5-13

June 10-12
Up N Over Agility Club

Lapeer, MI
Closes 5-27

June 16-19
Fort Detroit GWP Club
Dexter, MI
Closes 6-1

June 24-26
Kalamazoo KC
Kalamazoo, MI
Closes 6-8
OUTDOORS

Conformation

May 21-22
Genesee County KC
Corunna, MI
Closes 5-4

May 26-30
Pontiac KC, Holland KC, Gr. Rapids
KC, Kalamazoo KC, Greater Mus-
kegon KC
Kalamazoo, MI
Closes 5-11

June 4-5
Toledo KC
Toledo, OH
Closes 5-18

June 9-12
Midland KC, Mt. Pleasant KC
Midland, MI
Closes 5-25

June 18-19
Grand Traverse KC
Traverse City, MI
Closes 6-01

June 25-26
Detroit KC
Novi, MI
Closes 6-8

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already in your lines - they won't cause any problems unless you create puppies that inherit two copies in the same one. New mutations will have low frequencies in the population, and sound genetic management will keep it that way. (See Using inbreeding to manage inbreeding.)

Three key strategies to reduce genetic disorders Every dog - in fact, every animal - has mutations that could potentially cause disease, and don't let anybody try to claim that their dogs are any different. The key to producing healthier dogs is breeding in a way that reduces the chance that an animal will inherit two copies of the same mutation. Doing the available DNA tests for a breed then producing a litter with an inbreeding coefficient of 20% is self-defeating and just asking for trouble.

Money to identify mutations, develop tests, and screen potential breeding stock is all for naught if we are using breeding strategies that are specifically designed to increase homozygosity of the genes for desirable traits, because homozygosity of mutations will necessarily increase as well. You cannot do one without the other.

If we're serious about reducing genetic disorders in dogs, the things we must do are simple and clear. It is responsible breeders, not researchers and DNA tests, that will reduce the burden of genetic disease in dogs.

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Dixie:

Fri Agility-Masters Pref JWW 3rd place, Masters Pref std 3rd place, T2BP Q'd & Title!

Sat-Obedience Veterans 1st place. Rally Excellent B Q'd.

Sun-Obedience Veterans 1st place.

Both got Total Dog Awards.



2015 MSCM Annual Awards

Our club members enjoyed a very nice year earning titles on their
Miniature Schnauzers.

8 Members Earned 43 Titles On 11 Dogs!

Award plaques were handed out at our February 21st meeting at the
C-Pub in Lake Orion.

Here is a breakdown of the titles:

Conformation:

1 AKC Champion
1 UKC Champion
1 BOB Owner Handled at Eukanuba
(not a title but an awesome achievement)

Obedience:

1 BN

USDAA Agility

1 SACH

Rally:

1 RA

1 TMS

1 RE

1 TMB

2 RAE

1 GCH

Agility:

1 NA

Barn Hunt:

4 RATI

1 NAJ

2 RATN

1 NF

3 RATO

1 OF

AMSC Versatility

1 OAP

Award:

2 AX

1 VA

1 AXJ

1 MXJ

1 MFB

Lure Coursing:

1 MXB

1 CA

1 MXB4

1 CAA

1 MXS2

1 MJG2

1 MJG4

2 MJS

1 T2B

1 T2B2

1 T2B3

1 MACH 1

1 MACH 11



To discover what all those letters mean, start with the AKC website

<http://www.akc.org/events/titles.cfm>

Be sure to click on the correct tab for Suffix and/or Prefix titles.

Congratulations to these Members:

Joanne Forster & Blake

AKC Championship – 11-7-15

Ch. Jofor's Nobody But Me

Lisa Martin and Kaia

AX – Agility Excellent

RATI – Barn Hunt Instinct

RATN – Barn Hunt Novice

RATO – Barn Hunt Open

Sercatep's Blue By You AX AXJ RATI RATN RATO

Lisa Martin and Kayce

RATI – Barn Hunt Instinct

U-CH – UKC Champion

U-CH Mythago's Royal Blue RATI

Sue Quinn and Dodger

RA – Rally Advanced

BN – Beginner's Novice

NAJ – Novice Agility Jumpers

NA – Novice Agility Standard

VA – AMSC Versatility Award

BOB – Best of Breed at 2015 Owner Handled

Eukanuba Finals

GCHB Loneacre's Grand Slam BN RA NA NAJ

Sue Quinn and Dixie

CAA - Coursing Ability Advanced

MACH Loneacre's Dixieland Express UD RE XF CAA

JoAnne Scott and Ajax

MACH 11 – Master Agility Champion x 11

RAE – Rally Advanced Excellent

MXB4 – Master Agility Bronze

MJG4 – Master Agility Jumpers

RATI – Barn Hunt Instinct

MACH11 Loneacre's Time For Two RAE CGC MXB4 MJG4 MXF TQX RATI

JoAnne Scott and Twister

MACH – Master Agility Champion

MXB – Master Agility Bronze

MJS – Master Agility Jumpers Silver

OF – Open Fast

T2B2 – Time2Beat 2

RATI – Barn Hunt Instinct

MACH Loneacre's Storm Warning CGC MXB MJS OF T2B2 RATI

Mary Ann and Katy

MJS – Master Jumpers Silver

T2B3 – Time2Beat 3

USDAA

TMB – Tournament Master Bronze

Jofor's Katy Zoomer Koz MX MXB MXJ MJS XF T2B3 TMB

John Schauer and Ginny

AXJ – Agility Excellent Jumpers - February 13

AX - Agility Excellent Standard - March 21

MXJ – Master Agility Jumpers - June 28

T2B - Time 2 Beat - June 28

NF – Novice Fast - November 22

Loneacre's Gin Rummy by Harmini AX AXJ MXJ T2B NF

Lynn Baitinger & Kelsi

RATN – Barn Hunt Novice

RATO - Barn Hunt Open

MJG2 – Master Gold Jumper 2

MFB – Master Bronze Fast

CA – Coursing Ability

MXS2 – Master Silver Agility 2

USDAA-

GCH - Gambler Champion

TM-S - Tournament Master Silver

SACH - Standard Champion

MACH 5 ADCH Loneacre's Found A Peanut MXS2 MJG2 MXF MFB TQX T2B2 GCH TMS SACH CA RATN RATO

Lynn Baitinger & Connor

RAE – Rally Advanced Excellent

RATO - Barn Hunt Open

MACH 3 Loneacre's Firecracker CD RAE MXS2, MJG2 MXF MFB TQX T2B PJM PJCH RATO

Joanne McCallum & Chance

RE – Rally Excellent

OAP - Open Agility Preferred

Jofor's No Rules CD BN RE OAP AJP CGC U-OR-1