DNA HEALTH SUMMARY

Test Date: **5/11/2022**

Registered Name:	**Shay**
Date of Birth:	**1/7/2019**
Sex:	**Female**
Breed Ancestry:	**47.6% Poodle (Standard) + 52.4% Mixed Ancestry**
Owner Supplied Breed:	**Goldendoodle**
Embark Swab Code:	**31210952815703**
Embark Profile:	**http://embk.me/shay136**

Your dog's DNA was tested by Embark Veterinary, Inc. for the likelihood of developing clinical signs from 20 health conditions that are currently relevant for their breed(s). Please speak to your veterinarian and breeder about specific risks and care recommendations associated with your dog's results.

We detected **1** variant for the following breed-relevant conditions from which your dog **could develop signs and symptoms**. Note that some variants are found in most or all dogs of a specific breed.

Chondrodystrophy and Intervertebral Disc Disease, CDDY/IVDD, Type I IVDD (FGF4 retrogene - CFA12)
Identified in Cocker Spaniels, Standard Poodles, and more

Your dog is **not expected to develop signs and symptoms** from the specific variants* for the following breed-relevant conditions:

- Autosomal Recessive Hereditary Nephropathy, Familial Nephropathy, ARHN (COL4A4 Exon 3, Cocker Spaniel Variant)

- Bernard-Soulier Syndrome, BSS (GP9, Cocker Spaniel Variant)

- Congenital Myasthenic Syndrome, CMS (COLQ, Golden Retriever Variant)

- Degenerative Myelopathy, DM (SOD1A)

- Dystrophic Epidermolysis Bullosa (COL7A1, Golden Retriever Variant)

- Exercise-Induced Collapse, EIC (DNM1)

- Glycogen storage disease Type VII, Phosphofructokinase Deficiency, PFK Deficiency (PFKM, Whippet and English Springer Spaniel Variant)

- GM2 Gangliosidosis (HEXB, Poodle Variant)

- Golden Retriever Progressive Retinal Atrophy 1, GR-PRA1 (SLC4A3)

- Golden Retriever Progressive Retinal Atrophy 2, GR-PRA2 (TTC8)

- Hereditary Sensory Autonomic Neuropathy, Acral Mutilation Syndrome, AMS (GDNF-AS, Spaniel and Pointer Variant)

- Ichthyosis, ICH1 (PNPLA1, Golden Retriever Variant)

** The information presented above is intended for non-breeding purposes. Please refer to the full Embark genetic test results for comprehensive health and trait information that is relevant for breeding decisions.*

- **Muscular Dystrophy (DMD, Golden Retriever Variant)**
- **Neonatal Encephalopathy with Seizures, NEWS (ATF2)**
- **Neuronal Ceroid Lipofuscinosis 5, NCL 5 (CLN5 Exon 4 Deletion, Golden Retriever Variant)**
- **Osteochondrodysplasia, Skeletal Dwarfism (SLC13A1, Poodle Variant)**
- **Osteogenesis Imperfecta, Brittle Bone Disease (COL1A1, Golden Retriever Variant)**
- **Progressive Retinal Atrophy, prcd (PRCD Exon 1)**
- **Von Willebrand Disease Type I, Type I vWD (VWF)**