

Turtle's Luck Turns After Superglue Surgery

Indian flap shell turtle, a vulnerable species as per IUCN, was run over by a vehicle & had fracture of tough shell at 6 places which was rescued Mr Vokendra Sharma, animal welfare activist, Budaun & brought for treatment at Referral Veterinary Polyclinic, ICAR-IVRI, IZATNAGAR.

After taking Xray it revealed that turtle was carrying 7 eggs in its womb. The fractured shell was reduced by blouse hooks & cyanoacrylate glue which showed poor strength, then it was once again reinforced by orthopaedic wire loops & PMMA/dental cement. The surgical team comprised of Dr. A. M. Pawde, Dr. Kamalesh, Dr. Sai & Dr. Mahesh.

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Turtle's luck turns after superglue surgery

Kanwardeep.Singh
@timesofindia.com

Bareilly: In a quick fix solution, experts at Indian Veterinary Research Institute (IVRI) in Uttar Pradesh's Bareilly used superglue and blouse clasp (hook) to join the shattered shell of an endangered turtle which was run over by a car. Since the adhesive used by orthopaedic surgeons was unavailable and time was running out for the turtle, superglue was used as an alternative to fix the multiple cracks in the shell.

The procedure was performed by Dr Abhijeet Pawde along with Dr Kamlesh Kumar and other members of the top veterinary institute's

team. The turtle is under observation at a rehabilitation centre in Budaun and its condition is being monitored.

The Indian Flapshell turtle is listed as vulnerable in the IUCN (International Union for Conservation of Nature) red list of wildlife species. This particular one was rescued by animal activist Vokendra Sharma in Budaun and brought to Bareilly on Monday.

A member of the team that treated the turtle told TOI, "The injured reptile was brought to our facility around 4.35pm on Monday, and it was battling for life. It was a female with seven eggs in her womb. We had to perform surgery immediately to save its life. We needed adhesive used by

orthopaedic surgeons, which was not available here. As time was running out for the turtle, we used the superglue as an alternative, as it is also a cyanoacrylate adhesive."

The veterinarian added: "We used blouse clasps (hooks) and fixed these on either side of the cracked

QUICK FIX

shell using cyanoacrylate adhesive. Then these clasps were fastened with orthopaedic wire to join the cracks... In this case, the reptile was delicate, and using the right amount of anaesthesia was important. Every procedure went right and the surgery was successful. We have asked

the animal rights activist to provide us with feedback about the turtle's condition".

Cyanoacrylates are a family of strong, fast-acting adhesives with industrial, medical, and household uses. They are derived from ethyl cyanoacrylate and related esters.

Vokendra Sharma said, "I had received a call about an injured turtle and rescued it in a critical condition. Its shell had been cracked and it was bleeding. I, along with my team members, and with help from the forest department took the injured turtle to IVRI Bareilly. The condition of the turtle has improved significantly after the procedure, and I hope that it will completely recover soon."

Battered turtle's luck turns after superglue surgery

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@timesofindia.com



QUICK FIX SOLUTION

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उपलब्धि

वाहन के नीचे आने से कछुए का कवच हुआ था क्षतिग्रस्त, सुपरग्लू और हुक से जोड़ा

संरक्षित प्रजाति के कछुए का आईवीआरआई में ऑपरेशन

अमर उजाला ब्यूरो

बरेली। संरक्षित प्रजाति (फ्लैपशेल) कछुए का कवच क्षतिग्रस्त होने पर आईवीआरआई के वैज्ञानिकों ने उसे सुपरग्लू और हुक के प्रयोग से जोड़ दिया। दो घंटे तक चली सर्जरी के दौरान वैज्ञानिक का हाथ भी जखमी हो गया। कछुआ अब स्वस्थ है। वन विभाग की निगरानी में है।

भारतीय पशु चिकित्सा अनुसंधान संस्थान (आईवीआरआई) के वरिष्ठ वैज्ञानिक डॉ. अभिजीत पावडे, डॉ. कमलेश कुमार और ने टीम के



आईवीआरआई में सर्जरी के बाद फ्लैपशेल कछुआ। कित: संस्थान

सहयोग से यह सर्जरी की। वैज्ञानिकों के अनुसार कछुए को

मादा है कछुआ, गर्भ में दिखे सात अंडे

इलाज से पहले कछुए का एक्सरे किया गया तो पता चला कि वह मादा है। उसके गर्भ में अंडे भी नजर आए। लिहाजा उसका जीवन बचाना बेहद जरूरी था। इसलिए एनेस्थीसिया का प्रयोग करना पड़ा। थोड़ा देर बाद जब एनेस्थीसिया का आसार कम हुआ तो वह हल्कत करने लगी।

किसी कार ने कुचल दिया था। संस्थान में ग्लू उपलब्ध नहीं था। इधर, कछुए की हालत बिगड़ रही थी।

विकल्प के तौर पर सुपरग्लू (साइनोएक्रिलेट) का प्रयोग हुआ। बता दें कि फ्लैपशेल कछुए को आईयूसीएन (इंटरनेशनल यूनियन फॉर कंजर्वेशन ऑफ नेचर) की

लाल सूची में असुरक्षित के रूप में दर्ज किया गया है। ये काफी दुर्लभ होते हैं।

सफल सर्जरी के बाद कछुए को बंदायू के पुनर्वास केंद्र में रखा गया है। कछुए को बंदायू के पशु प्रेमी विकेंद्र शर्मा ने जखमी हालत में वन विभाग के सहयोग से आईवीआरआई लेकर पहुंचे थे।

