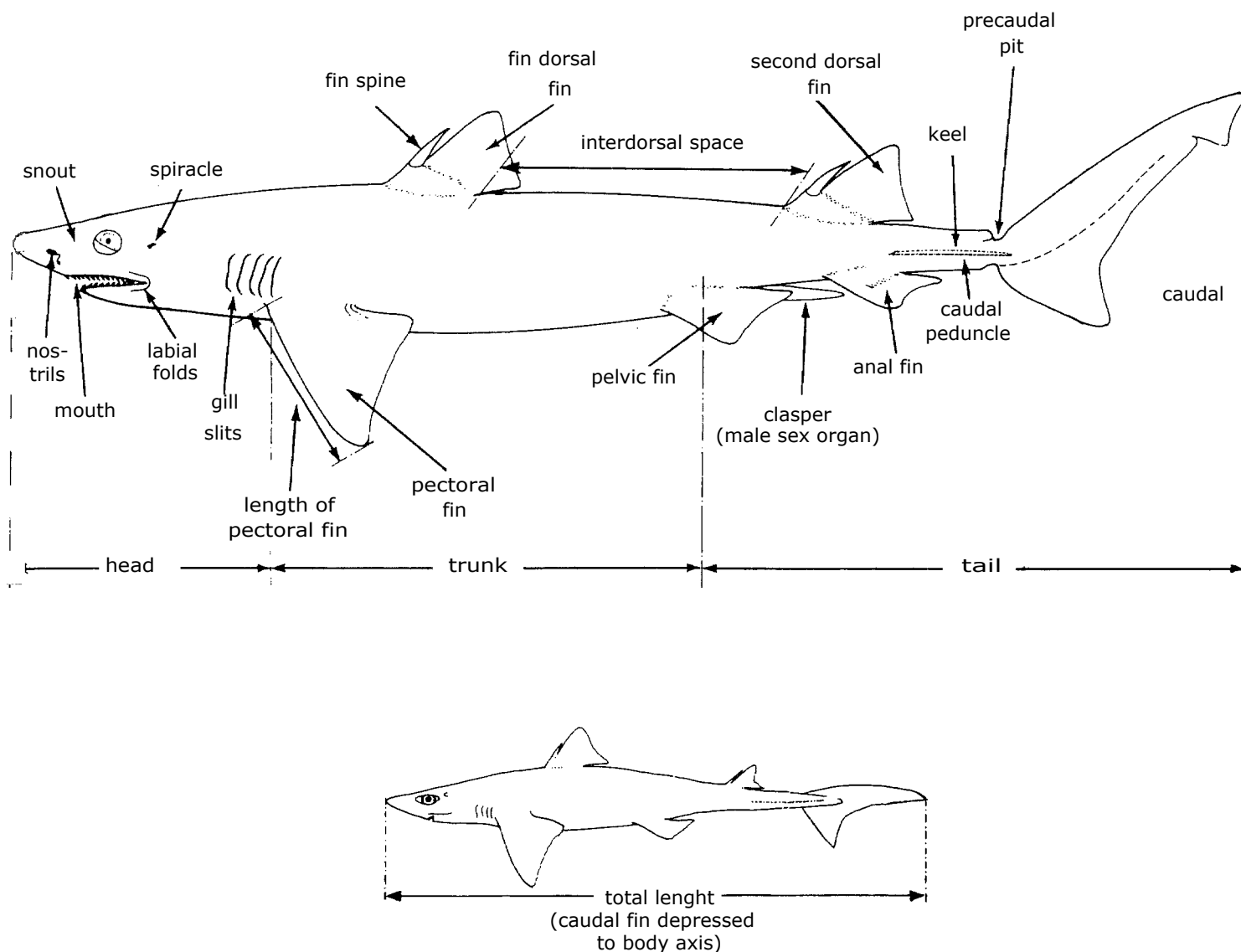


# SHARKS

## TECHNICAL TERMS AND PRINCIPAL MEASUREMENT

(Straight-line distances)



Sharks sustain an important fishery in the coastal waters of Pakistan. Species of Galeocerdo, Carcharhinus, Scoliodon, Sphyrna, Chiloscyllium, Stegostoma and Triaenodon constitute a considerable part of the commercial catches. The most important aspect of the exploitation of sharks is the extraction of oil from the liver which has, in many species, a high content of vitamin A but it is used mainly for smearing boats. Shark fins are exported to China. The skin of some species is used for polishing (shagreen) or for leather. In the Sind, sharks generally are commercially graded by size, with three differently named groups being recognized: Mangra - small-size, less than 80 cm; Barkali - medium-size, between 80 and 140 cm; and Paggas - large-size, greater than 140 cm. Fishermen, on the other hand, have more specific names for each species. The Handbook of Fisheries Statistics of Pakistan (1973-83) reports annual catches of sharks ranging from 8 127 t (1983) to 43 769 t (1973) with an average of 25 763 t.

## SHARKS

## ALOPIIDAE

**Loc. names :** Dummi-mangar (Sin);  
Dumbi, Mushk (Bal)

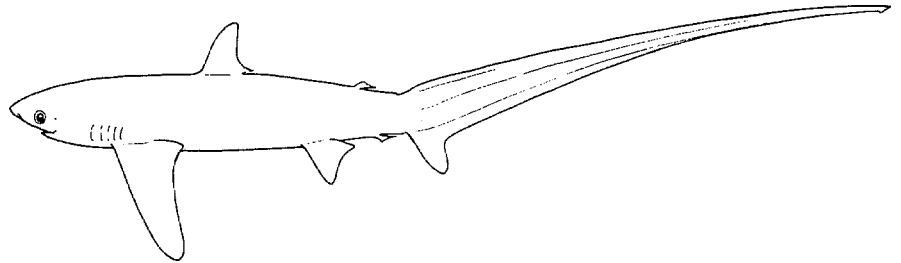
**FAO names :** En - Thresher sharks  
Fr - Renards  
Sp - Zorros

**Size :** Max.: to 500 cm

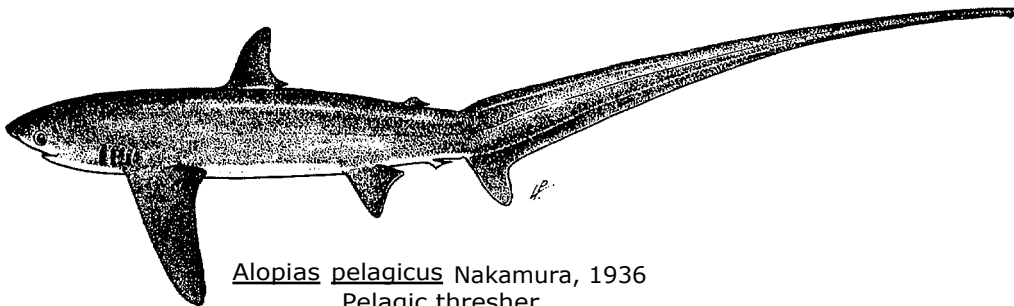
**Fishing gear :** Caught with longlines and  
on hook and line

**Habitat and biology :** Found in coastal and offshore waters to more than 500 m depth. Ovoviviparous, with 2 to 4 young per litter. Feeds on small fishes and pelagic invertebrates

**Interest to fisheries :** Species of this family are not very often caught

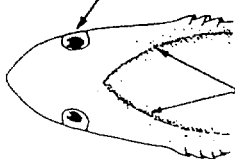


### Species of **Alopiidae**



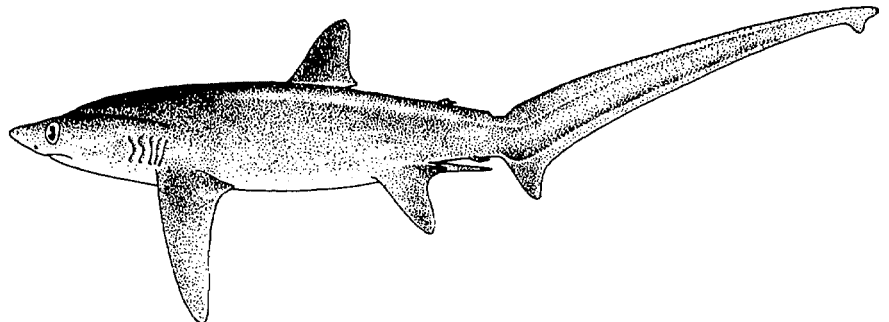
Alopias pelagicus Nakamura, 1936  
Pelagic thresher  
size: to 350 cm

eyes large, extending onto  
dorsal surface of head



**dorsal view of head**

grooves



Alopias superciliosus (Lowe, 1839)  
Bigeye thresher  
size: to 500 cm

## BONY FISHES

### CARCHARHINIDAE

**Loc. names :** Mangra, Barkali (Sin)  
Nur-mani (Bal)

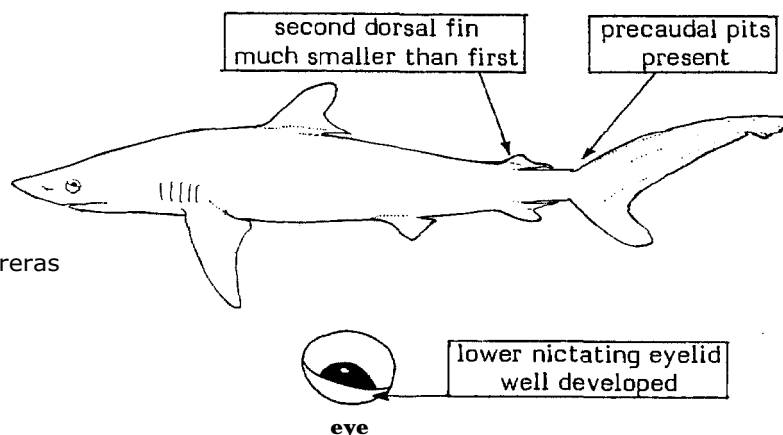
**FAO names :** En - Requiem sharks  
Fr - Requins  
Sp - Cazones picudos, tiburones, tintoreras

**Size :** Small to large sharks, some species to more than 600 cm

**Fishing gear :** Longlines and handlines, drift nets, gillnets, also caught in trawls

**Habitat and biology :** Species of this family are all strong swimmers and occur mainly over the continental shelf, often very close inshore, some species entering river mouths and even fresh waters. Not much is known about habitat and biology of several species. All are voracious predators and feed on a wide variety of organisms. The larger carcharhinids are dangerous to people

**Interest to fisheries :** Certainly the most important shark family for fisheries in Pakistan, as well as in the whole Western Indian Ocean. Mainly used for fishmeal, except for the liver from which oil is extracted. The fins are dried and exported for the oriental sharkfin soup market. Juveniles are marketed fresh



Carcharhinus melanopterus (Oüoy & Gaimard, 1824)

**Synonyms** Hypoprion playfairi (Günther, 1870)

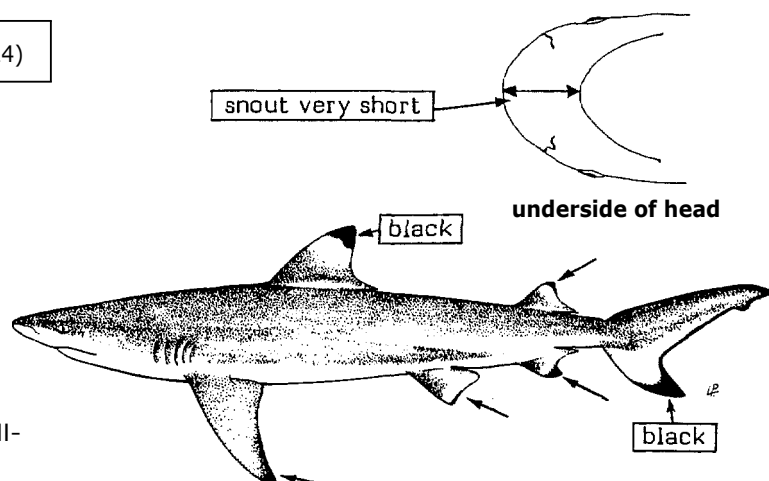
**Loc. names :** Mangra, Barkal (Sin); Barkali (Bal)  
Black shark (En)

**FAO names :** En - Blacktip reef shark  
Fr - Requin pointes noires  
Sp - Tiburón de puntas negras

**Size :** Max.: 200 cm, most adults less than 160 cm

**Fishing gear :** Caught mainly with longlines and gill-nets

**Habitat and biology :** A rather common shark, mainly in inshore shallow waters, including brackish waters. Feeds on small bony fishes, octopuses and small sharks. There have been several reports of attacks on humans, but it should not be considered as a particularly dangerous shark due to its small size



Carcharhinus sorrah (Valenciennes, in Müller & Henle, 1839)

**Synonyms** Carcharhinus bleekeri (Dumeril, 1865)

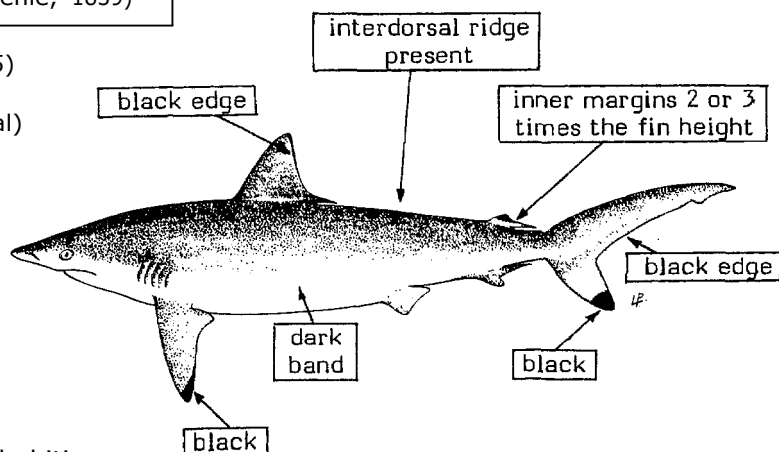
**Loc. names :** Kanatyan, Mangra (Sin); Kanaitor (Bal)  
Small grey shark (En)

**FAO names :** En - Spottail shark  
Fr - Requin tacheté  
Sp - Tiburón rabo manchado

**Size :** Max.: to 160 cm

**Fishing gear :** Caught with gillnets and long-lines

**Habitat and biology :** A rather common shark, inhabiting the continental shelf from inshore waters to about 140 m depth. Feeds on small bony fishes and cephalopods. Probably not dangerous to people due to its small size



## SHARKS

Galeocerdo cuvieri (Peron & LeSueur, in LeSueur, 1822)

**Synonyms :** Galeocerdo arcticus (Faber, 1829)  
Galeocerdo rayneri McDonald & Barron, 1868

**Loc. names :** Mangra, Mohr (Sin); Nur-mani (Bal)

**FAO names :** En - Tiger shark  
Fr - Requin tigre commun  
Sp - Tintorera

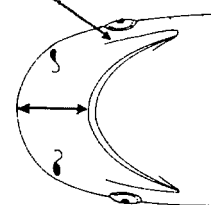
**Size :** Max.: at least 650 cm, possibly more than 750 cm; common to 400 cm

**Fishing gear :** Caught with gillnets and line gear. Live Pomadasys, Therapon or flesh of ray and eel are used as bait

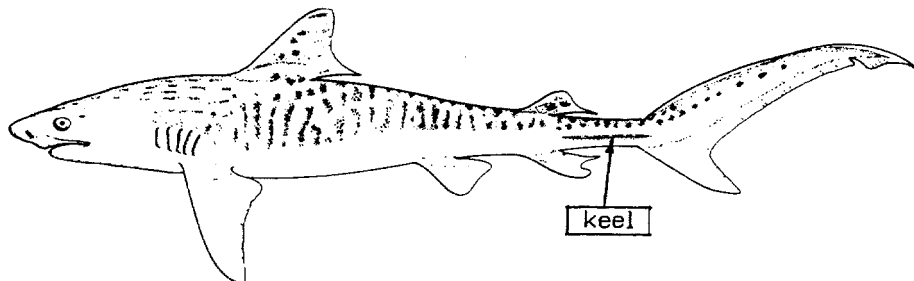
**Habitat and biology :** From inshore coastal waters to offshore waters, close to the surface or to the bottom, sometimes entering brackish waters, river mouths and even fresh waters. Ovoviviparous and very prolific, with 10 to more than 80 young in a litter. Mature embryos found in May-June. Very voracious, feeds on a wide variety of animals and also on carrion. Often gulps also undigestible items. Considered as one of the most dangerous sharks because of its occurrence in shallow waters, its large teeth and size, and its indiscriminate appetite

upper labial folds  
about as long as snout

### CARCHARHINIDAE



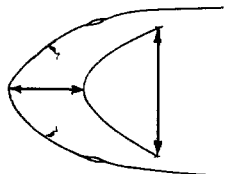
underside of head



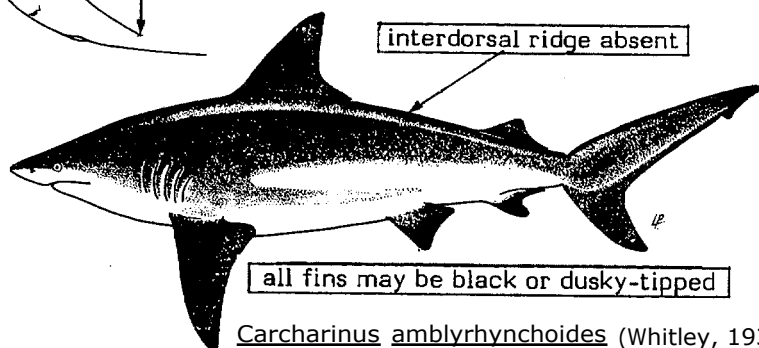
keel

snout much shorter  
than mouth width

Other species of **Carcharhinidae**



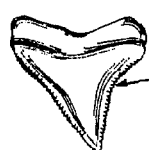
interdorsal ridge absent



all fins may be black or dusky-tipped

Carcharinus amblyrhynchoides (Whitley, 1934)

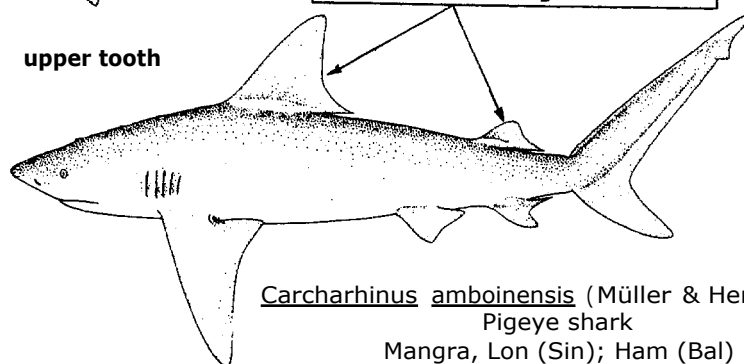
Graceful shark  
Mangra, Gussi (Sin)  
Mussi (Bal)  
size: to 170 cm



cusps of upper teeth  
not delimited from bases

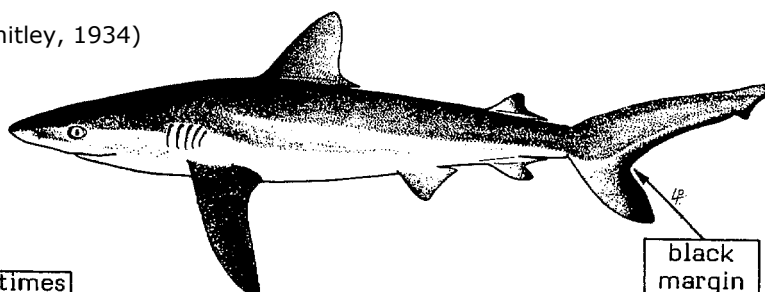
first dorsal fin height 3.2 times  
or more than height of second

upper tooth



Carcharinus amboinensis (Müller & Henle 1839)

Pigeye shark  
Mangra, Lon (Sin); Ham (Bal)  
size: to 280 cm



black  
margin

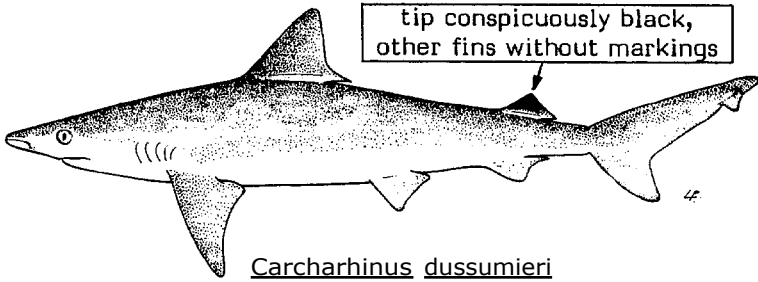
Carcharinus amblyrhynchos (Bleeker, 1856)

Greyreef shark  
Gandan, Kanatyan (Sin)  
Gurrin paggas (Bal)  
size: to 250 cm

# SHARKS

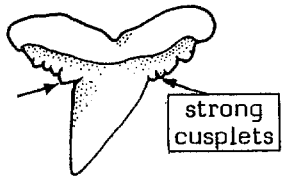
Other species of **Carcharhinidae**

## CARCHARHINIDAE



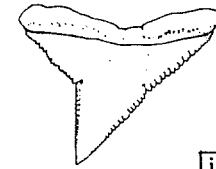
tip conspicuously black,  
other fins without markings

Carcharhinus dussumieri  
(Valenciennes, in Müller & Henle, 1839)  
Yhitecheek shark  
Mangra, Kanatyan (Sin)  
Gusso pishik (Bal)  
size: to 100 cm



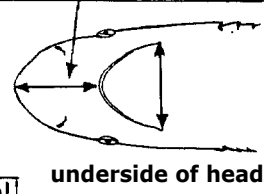
strong  
cusplets

upper tooth



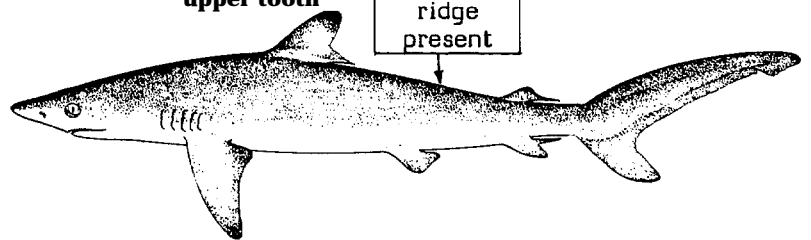
upper tooth

snout equal to or slightly  
shorter than mouth width

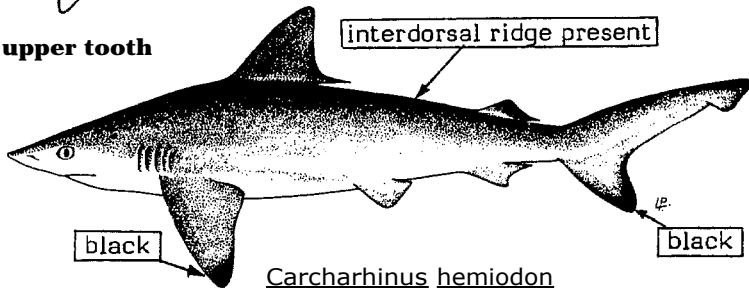


underside of head

interdorsal  
ridge  
present



Carcharhinus falciformis (Bibron in Müller & Henle, 1839)  
Silky shark  
Mangra, Kanatyan (Sin)  
Kanaitar paggas (Bal)  
size: to 350 cm

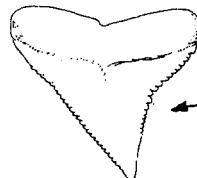


interdorsal ridge present

black

black

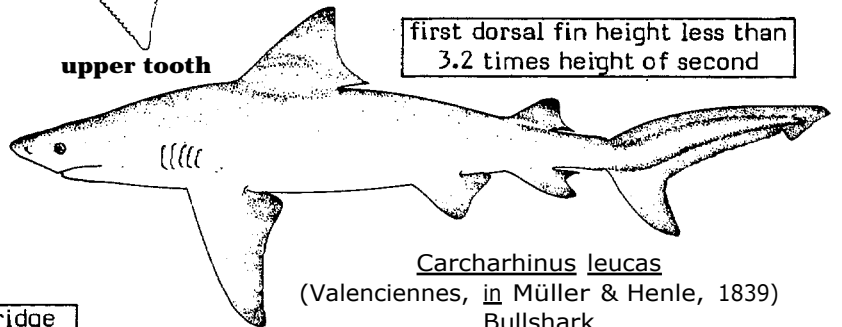
Carcharhinus hemiodon  
(Valenciennes, in Müller & Henle, 1839)  
Pondicherry shark  
Mangra (Sin); Barkali (Bal)  
size: to 200 cm



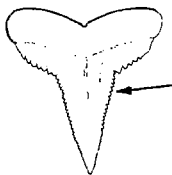
cusps of upper teeth  
not delimited from bases

upper tooth

first dorsal fin height less than  
3.2 times height of second



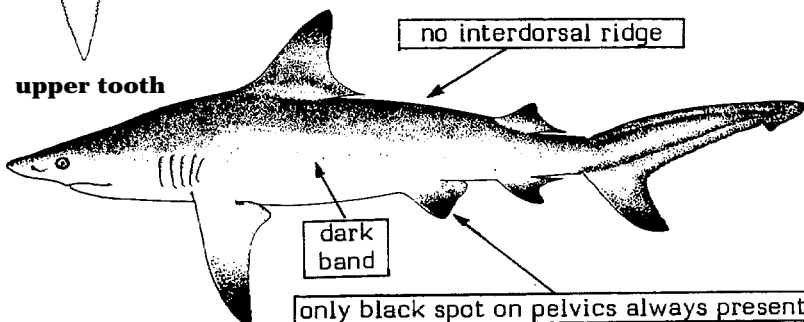
Carcharhinus leucas  
(Valenciennes, in Müller & Henle, 1839)  
Bullshark  
Mangra, Kanatyan (Sin)  
Bargore warook (Bal)  
size: to 350 cm



cusps narrow and erect,  
well delimited from bases

upper tooth

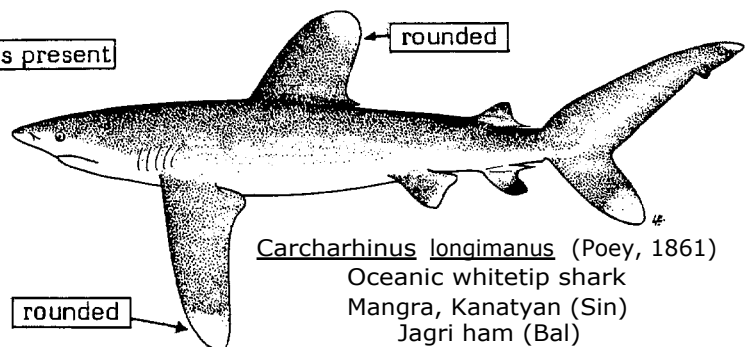
no interdorsal ridge



dark  
band

only black spot on pelvics always present

Carcharhinus limbatus  
Valenciennes, in Müller & Henle, 1839)  
Blacktip shark  
Mangra, Gandan (Sin)  
Kalawani kanaitor (Bal)  
size: to 250 cm



rounded

rounded

Carcharhinus longimanus (Poey, 1861)  
Oceanic whitetip shark  
Mangra, Kanatyan (Sin)  
Jagri ham (Bal)  
size: to 350 cm

PLATE XXIV, 139

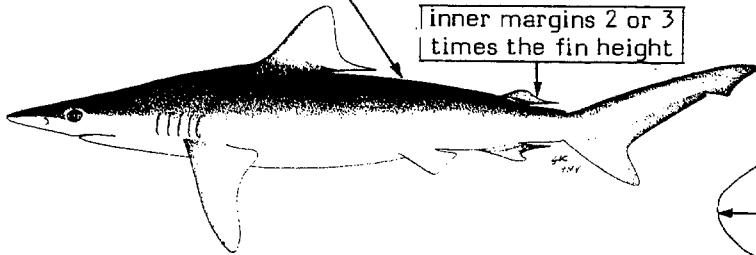
## SHARKS

### CARCHARHINIDAE

Other species of **Carcharhinidae**

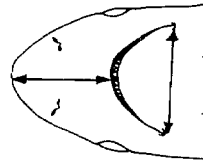
no interdorsal ridge

inner margins 2 or 3 times the fin height



Carcharhinus macroti (Muller & Henle, 1839)

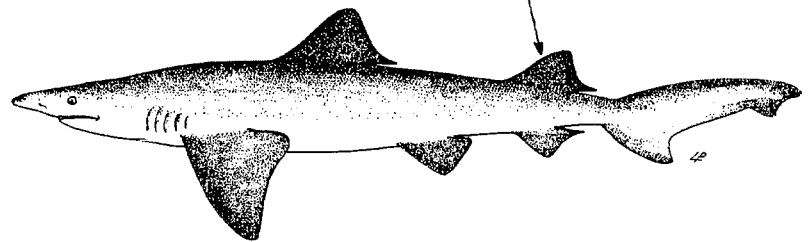
Hardnose shark  
Mangra, Hangor (Sin)  
Jaroi pishik (Bal)  
size: to 100 cm



snout as long as mouth width

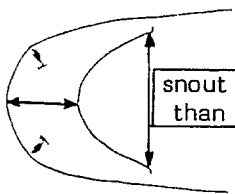
underside of head

nearly as large as first dorsal fin



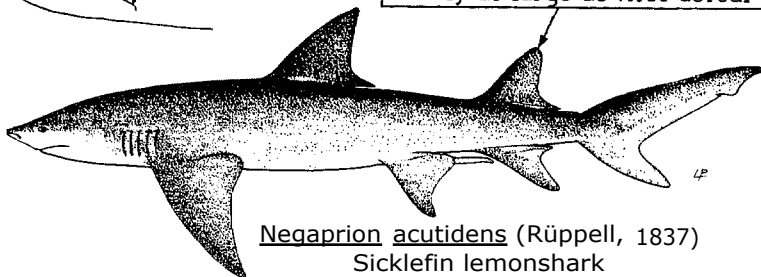
Lamiopsis temmincki (Müller & Henle, 1839)

Broadfin shark  
Mangra (Sin); Gusso pishik (Bal)  
size: to 170 cm



snout much shorter than mouth width

nearly as large as first dorsal fin



Negaprion acutidens (Rüppell, 1837)

Sicklefin lemonshark  
Mangra (Sin); Jagriham (Bal)  
size: to 310cm

Glyphis gangeticus (Müller & Henle, 1839)

**Synonyms** Carcharhinus gangeticus (Müller & Henle, 1839)  
Carcharhinus temmincki (Müller & Henle, 1839)

**Loc. names** : Gandan, Mangra (Sin); Gwareen (Bal)  
Gangese grey shark (En)

**FAO names** : En - Ganges shark  
Fr - Requin du Gange  
Sp - Tiburón del Ganges

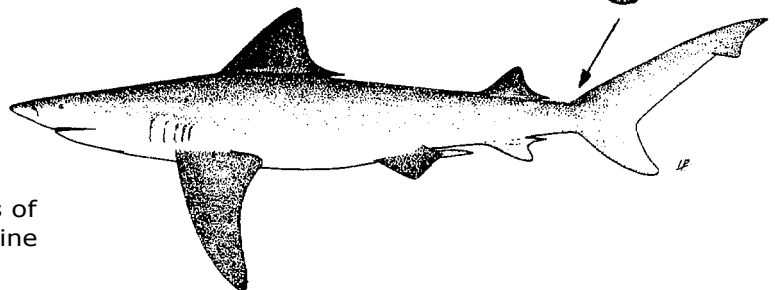
**Size** : Max.: uncertain, probably over 200 cm

**Fishing gear** : Probably caught like other sharks of similar habits and habitat, with gillnets and on line gear

**Habitat and biology** : This species has often been confused with Carcharhinus leucas or other species and for this reason not much is known of its habitat and biology. It is known to occur in inshore waters and to enter river mouths and swim upstream. The feeding habits are also unknown but the large jaws suggest large prey like bony fishes, other sharks, etc. It has been reported to be dangerous to man but the reports might have actually referred to C. leucas

precaudal pits in the form of shallow, oblong depressions

height of second dorsal fin about half as high as first



## SHARKS

Loxodon macrorhinus Müller & Henle, 1839

PLATE XXIV, 140

CARCHARHINIDAE

**Synonyms** Scoliodon acutus (Rüppell, 1837)  
Scoliodon ceylonensis Setna & Sarangdhar, 1946

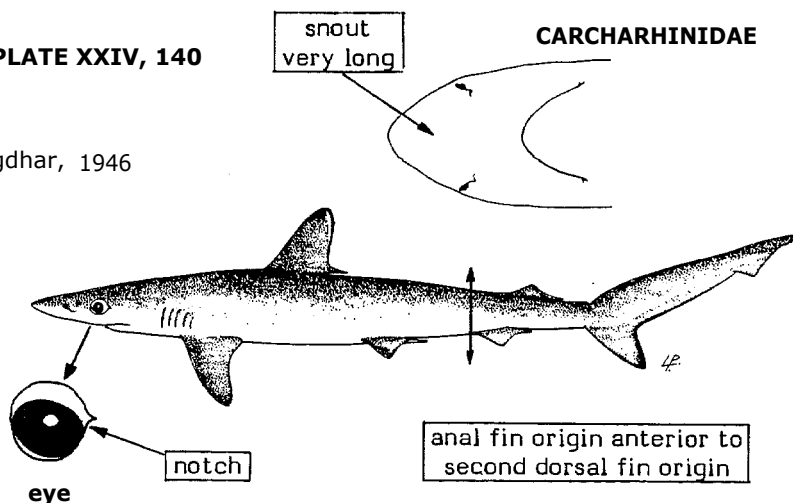
**Loc. names** : Mangra (Sin); Tailgo pishik (Bal)

**FAO names** : En - Sliteye shark  
Fr - Requin sagrin  
Sp - Tiburón ojuelo

**Size** : Max.: about 90 cm

**Fishing gear** : Caught with gillnets and on line gear. Occasionally also in bottom trawls

**Habitat and biology** : Found in clear, coastal waters, from 7 to about 80 m depth. Viviparous, number of young per litter usually 2. A harmless shark, feeding on small fishes and crustaceans



Rhizoprionodon acutus (Rüppell, 1837)

PLATE XXIV, 141

**Synonyms** Scoliodon acutus (Rüppell, 1837)  
Scoliodon palasorra (Bleeker, 1853)  
Scoliodon walbeehmi (Bleeker, 1856)

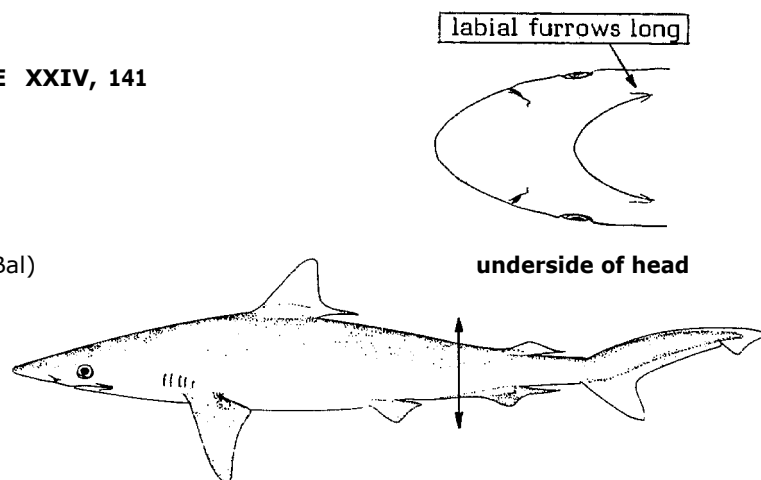
**Loc. names** : Mangra, Kamot (Sin); Sorapi pishik (Bal)

**FAO names** : En - Milk shark  
Fr - Requin à museau pointu  
Sp - Cazón picudo

**Size** : Max.: to about 100 cm

**Fishing gear** : Caught with gillnets and on line gear

**Habitat and biology** : A very common small shark, found in coastal waters to about 50 m depth, close to the surface as well as the bottom. Viviparous, with 2 to 8 young in a litter, size at birth about 30 cm. Feeds on small bony fishes and crustaceans, harmless to people



Rhizoprionodon oligolinx Springer, 1964

**Synonyms** : Scoliodon palasorra (Bleeker, 1853)

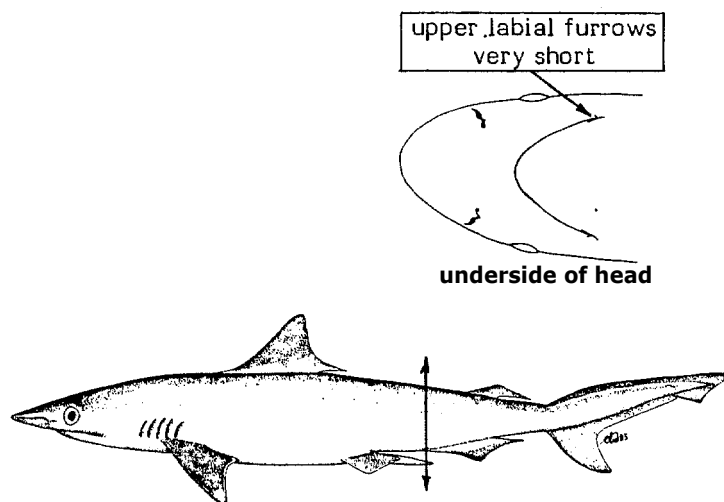
**Loc. names** : Mangra, Kamot (Sin); Tailgo pishik (Bal)

**FAO names** : En - Grey sharpnose shark  
Fr - Requin aiguille gris  
Sp - Cazón picudo gris

**Size** : Max.: to about 60 cm

**Fishing gear** : Caught with longlines and gill-nets

**Habitat and biology** : In coastal waters, to about 40 m depth. Feeds on small fishes and invertebrates. Probably harmless to people



## SHARKS

### CARCHARHINIDAE

Scoliodon laticaudus Muller & Henle, 1838

**Synonyms** : Physodon muelleri (Valenciennes, in Müller & Henle, 1839)  
Scoliodon palasorra (Bleeker, 1853T)  
Scoliodon sorrakowa (Bleeker, 1853)

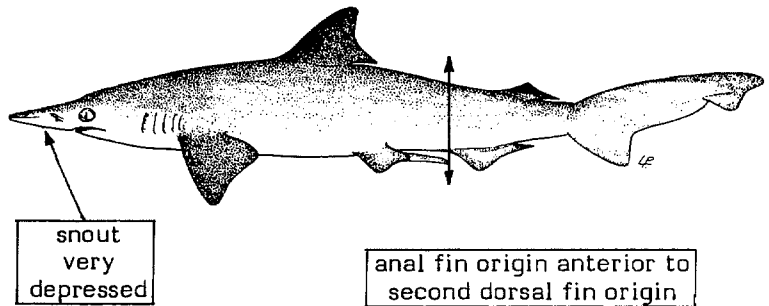
**Loc. names** : Mangra (Sin); Bhambol pishik (Bal)

**FAO names** : En - Spadenose shark  
 Fr - Reguin épée  
 Sp - Cazón espadachin

**Size** : Max.: to about 75 cm, but most individuals smaller

**Fishing gear** : Caught with line gear and gillnets

**Habitat and biology** : In coastal waters, near the bottom in rocky areas. Viviparous, with 5 to 14 young per litter, very abundant where it occurs. Forms large schools. Feeds on small schooling fishes, including anchovies, the bombay duck, bregmaceroids, etc. Mature embryos present in June



Triaenodon obesus (Rüppell, 1837)

**Synonyms** : None

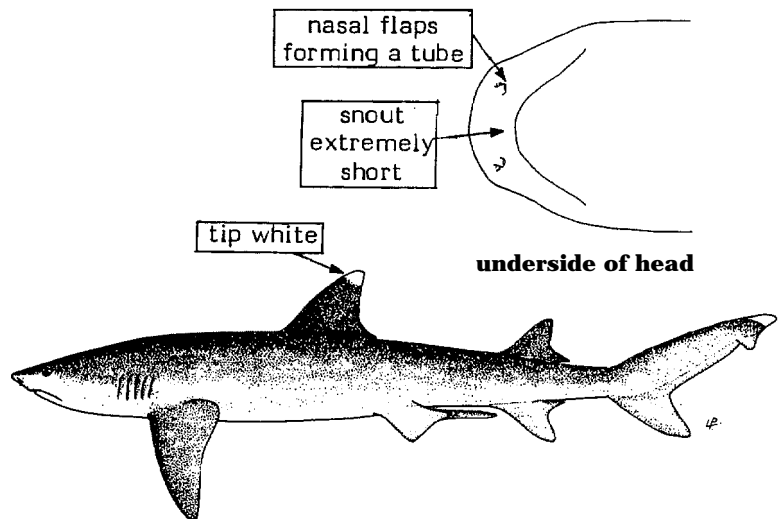
**Loc. names** : Mangra, Lone (Sin); Lone (Bal)  
 Light-tip shark (En)

**FAO names** : En - Whitetip reef shark  
 Fr - Requin corail  
 Sp - Cazón coralero trompacorta

**Size** : Max.: to more than 200 cm, but most adults below 160 cm

**Fishing gear** : Caught with gillnets and on line gear

**Habitat and biology** : In coastal clear waters, often in holes and crevices. Viviparous, 1 to 5 young in a litter. Feeds on small fishes, cephalopods and crustaceans. Reported to be dangerous to man. Mature embryos present in May-June



Nebrius ferrugineus (Lesson, 1830)

**Synonyms** : Nebrius concolor Rüppell, 1837  
Ginglymostoma ferrugineum (Lesson, 1830)  
Nebrius doldi Smith, 1953

**Loc. names** : Mangra (Sin); Pishi (Bal)  
 Sluggish shark (En)

**FAO names** : En - Tawny nurse shark  
 Fr - Requin-nourrice fauve  
 Sp - Gata riordiza atezada

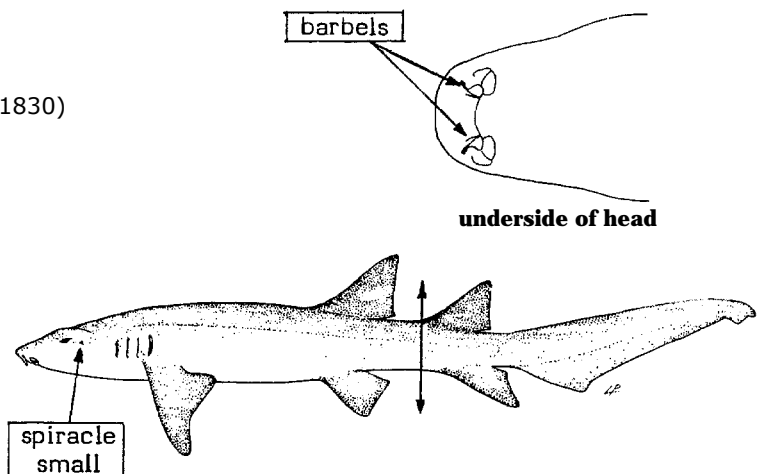
**Size** : Max.:320 cm; common to 250 cm

**Fishing gear** : Caught with gillnets and on line gear

**Habitat and biology** : In coastal waters to about 70 m depth. A sluggish, bottom-living shark, common in lagoons, on sand flats and around coral reefs. Feeds on bottom invertebrates and small fishes

**Interest to fisheries** : Fins are used for the sharkfin oriental trade and oil is extracted from the liver. The offal is used for fishmeal

### GINGLYMOSTOMATIDAE





## SHARKS

### HEMIGALEIDAE

**Loc. names :** Mangra, Lone (Sin);  
Lone, Pishi (Bal)

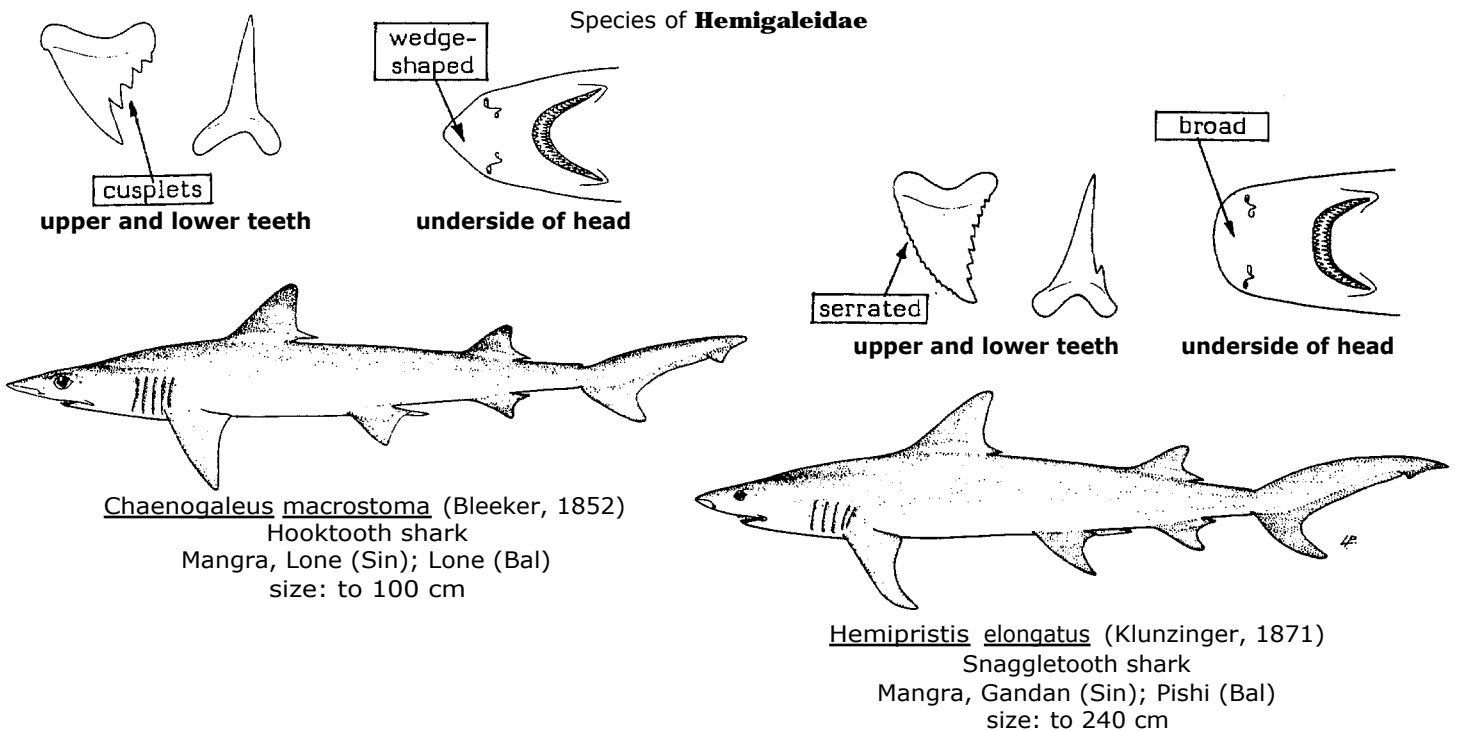
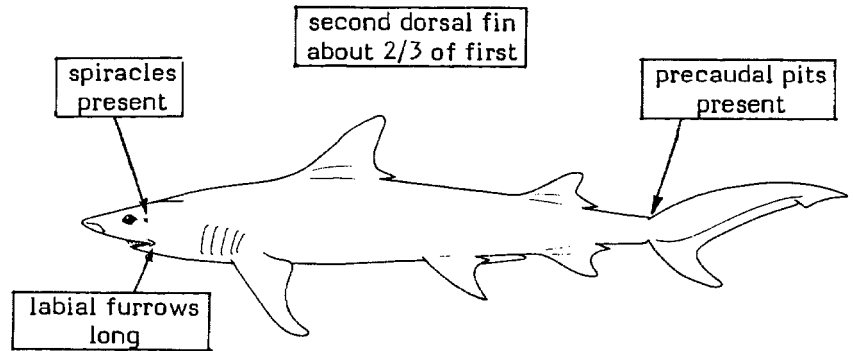
**FAO names :** En - Weasel sharks  
Fr - Milandres  
Sp - Comadreas

**Size :** Max.: usually rather small (not much more than 100 cm); *H. elongatus* said to reach 240 cm

**Fishing gear :** Caught with gillnets, long-lines and other line gear

**Habitat and biology :** These sharks live on the continental shelf, mainly in coastal areas, not deeper than 100 m. Viviparous, with about 4 young per litter. Feed on a variety of small bony fishes, cephalopods, crustaceans and echinoderms

**Interest to fisheries :** Species of this family are commonly caught although their abundance is rather modest. The fins are used for the oriental sharkfin trade and oil is extracted from the liver



### HEMISCYLLIIDAE

**Loc. names :** Kamot, Mangra (Sin); Pishi (Bal)

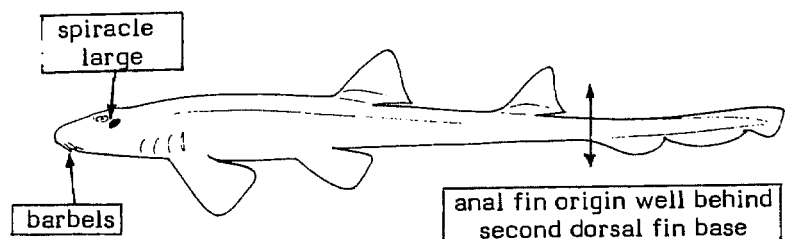
**FAO names :** En - Longtail carpetsharks  
Fr - Requins-cabot  
Sp - Bamboas

**Size :** Max.: small sharks, usually less than 100 cm

**Fishing gear :** Caught in bottom trawls and gillnets

**Habitat and biology :** Slow-swimming, bottom-dwelling inshore sharks, feeding on small fishes and invertebrates. Oviparous, eggs are deposited in cases on the bottom

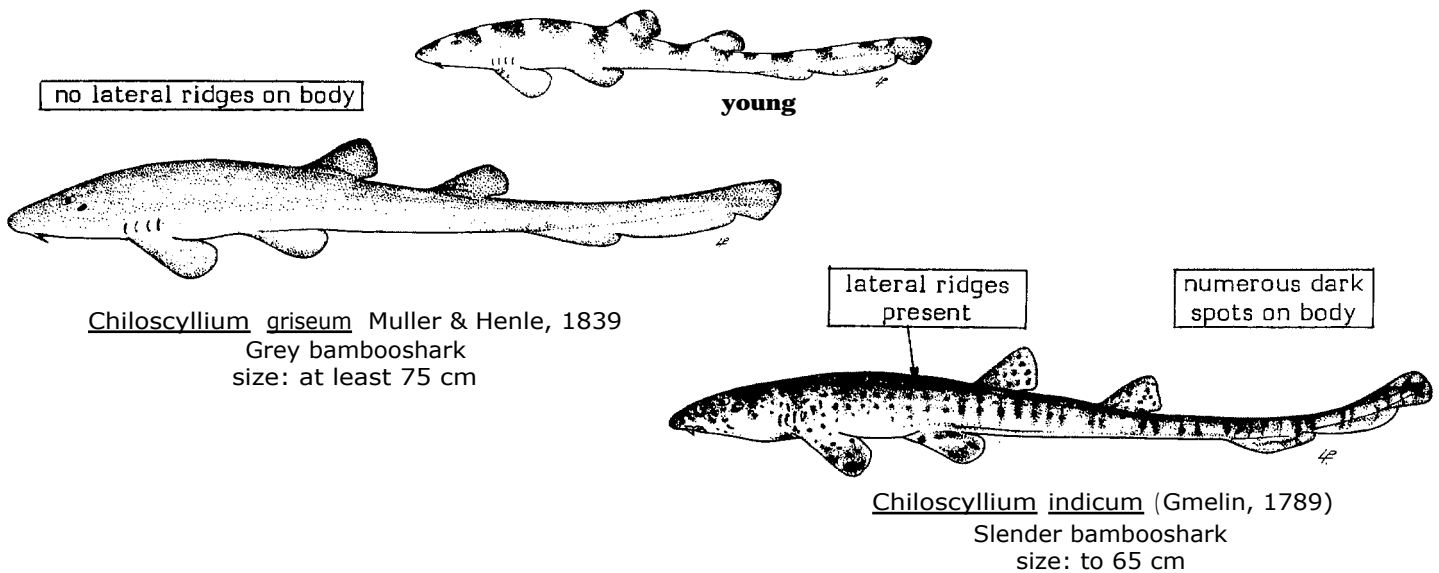
**Interest to fisheries :** These sharks are among the most abundant along the coast of Pakistan



## SHARKS

## HEMISCYLLIIDAE

### Species of Hemiscylliidae



## LAMNIDAE

**Isurus oxyrinchus** Rafinesque, 1810

**Synonyms** : *Isurus glaucus* (Muller & Henle, 1839)

**Loc. names** : Mangra, Dandani (Sin); Nar manger (Bal)

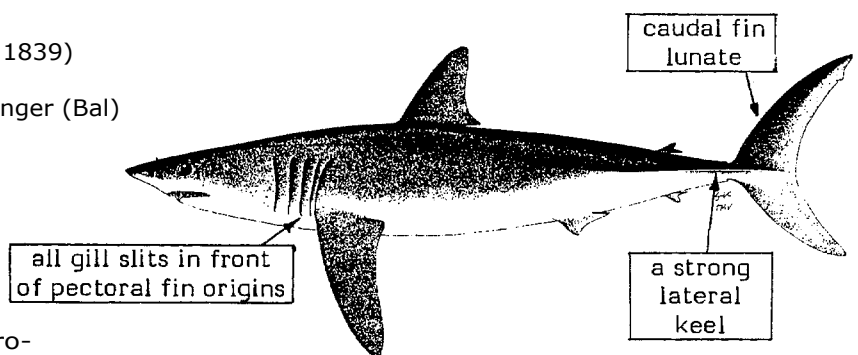
**FAO names** : En - Shortfin mako  
Fr - Taupe bleu  
Sp - Marrajo dientuso

**Size** : Max.: 400 cm; common to 270 cm

**Fishing gear** : Caught with longlines and probably also with gillnets and on hook and line

**Habitat and biology** : An oceanic, as well as coastal species, usually in surface waters and known to leap out of the water. Ovoviviparous, 1 to 6 young in a litter. Feeds on schooling fishes and on larger species, such as tunas and swordfishes. Known to be very dangerous and to attack swimmers and boats

**Interest to fisheries** : The flesh of this species is renowned for being a delicacy, oil is extracted from the liver because of the high vitamin content, the skin can be processed into leather and the fins used for sharkfin soup



**Eugomphodus taurus** (Rafinesque, 1810)

## ODONTASPIDIDAE

**Synonyms** A poorly known species, *Eugomphodus tricuspidate* (Day, 1878) might be a synonym of *E. taurus*

**Loc. names** : Mangra, Dandane (Sin)

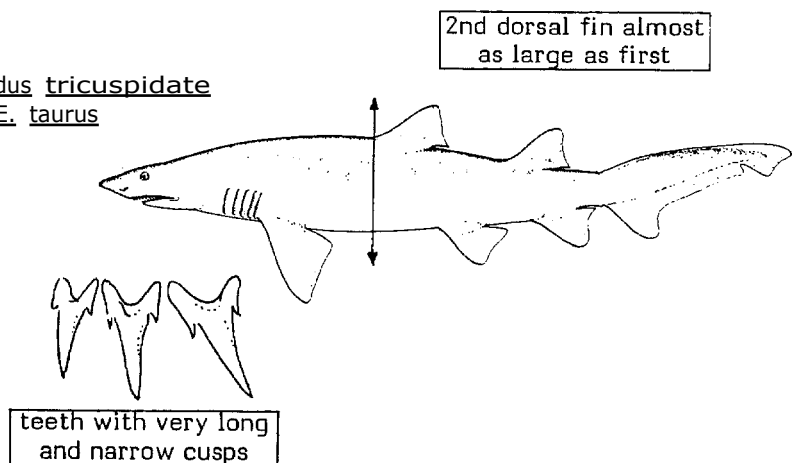
**FAO names** : En - Sand tigershark  
Fr - Requin taureau  
Sp - Toro bacota

**Size** : Max.: about 318 cm; most adults between 220 and 280 cm

**Fishing gear** : Caught with longlines, handlines and gillnets

**Habitat and biology** : A coastal species, living in or near sandy bays. Ovoviviparous, with 1 or 2 young per litter. Feeds on a variety of small fishes, sharks and rays, squid and occasionally crabs and lobsters

**Interest to fisheries** ; Used mainly for oil extracted from the liver



## BONY FISHES

### RHINIODONTIDAE

Rhiniodon typus Smith, 1828

**Synonyms :** Rhincodon typus Smith, 1829

**Loc. names :** Andhi-mangar (Sin); Baran (Bal)

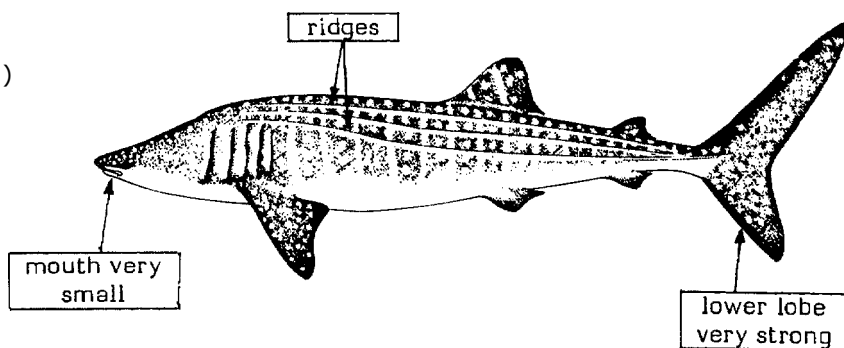
**FAO names :** En - Whale shark  
Fr - Requin baleine  
Sp - Tiburón ballena

**Size :** Max.: uncertain, probably to 18 m, but most specimens rarely above 12 m

**Fishing gear :** Harpoons

**Habitat and biology :** An epipelagic, oceanic, as well as coastal species, observed well offshore but also close inshore and entering lagoons. Found individually or forming large schools. It seems to prefer areas with upwelling waters, probably because of the more favorable conditions for the production of plankton. Not much is known about its development. Egg cases of football size are deposited and the eggs hatch when the young is over 35 cm long. Filter-feeder, feeds on a wide variety of planktonic and nektonic organisms (crustaceans, schooling fishes, anchovies, sardines and squid)

**Interest to fisheries :** Although this species can weigh several tonnes, the flesh is not used for human consumption. Oil is extracted from the liver and used for smearing boats



Atelomycterus marmoratus (Bennett, 1830)

### SCYLIORHINIDAE

**Synonyms** None

**Loc. names :** Mangra (Sin); Tikki pishi (Bal)

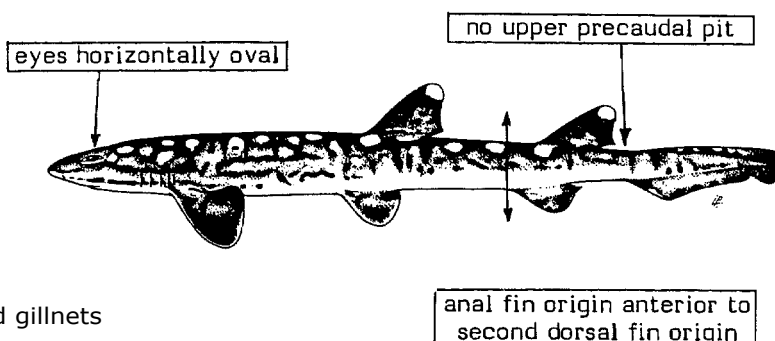
**FAO names :** En - Marbled catshark  
Fr - Chien corail  
Sp - Pintarroja coral

**Size :** Max.: about 70 cm

**Fishing gear :** Probably caught with line gear and gillnets

**Habitat and biology :** Found in Inshore waters. Oviparous

**Interest to fisheries :** Like other sharks, is used mainly for fishmeal and oil



### SPHYRNIDAE

**Loc. names :** Julia-mangar (Sin); Buther (adult); Kanti (juv.)(Bal)

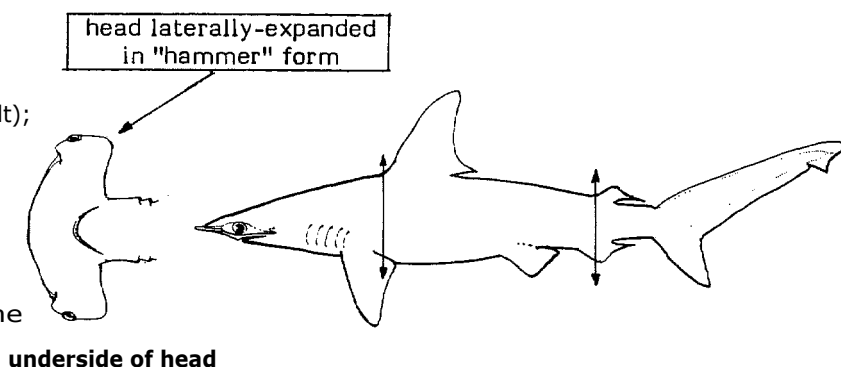
**FAO names :** En - Hammerhead sharks  
Fr - Requins marteau  
Sp - Cornudas

**Size :** Max.: medium to large sized, some species to more than 600 cm

**Fishing gear :** Caught with gillnets and long-lines

**Habitat and biology :** Mainly in surface waters, the adults of most species are semi-oceanic while the young are found close inshore. Feed on bony fishes, sharks and rays. Reported to be dangerous to man

**Interest to fisheries :** Species of this family are abundant in Pakistan and sustain rather important fisheries. They are used mainly for extracting oil which seems to have a high content of vitamin A



## SHARKS

### SPHYRNIDAE

Eusphyrna blochii (Cuvier, 1817:

**Synonyms** : Sphyrna blochii (Cuvier, 1817)

**Loc. names** : Julia-mangar (Sin);  
Buthar, Dokzai, Dokan (Bal)  
Arrow-headed shark (En)

**FAO names** : En - Winghead shark  
Fr - Requin marteau planeur  
Sp - Cornuda planeadora

**Size** : Max.: about 150 cm

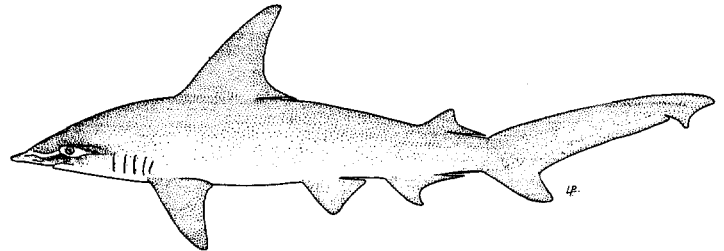
**Fishing gear** : Caught with gillnets and longlines

**Habitat and biology** : Mainly in inshore waters. Viviparous, with 6 to 11 young per litter

width  $\frac{2}{5}$  to  $\frac{1}{2}$   
of total length



underside of head



Sphyrna lewini (Cuvier, Griffith & Smith, 1834)

**Synonyms** : Sphyrna diplana Springer, 1941

**Loc. names** : Julia-mangar (Sin);  
Bhuthar, Alwandi, Kanti (juv.)(Bal)

**FAO names** : En - Scalloped hammerhead  
Fr - Requin marteau halicorne  
Sp - Cornuda común

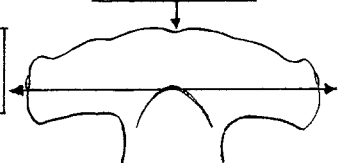
**Size** : Max.: 420 cm; common to 360 cm

**Fishing gear** : Caught with gillnets and longlines. Flesh of rays and eels are used as bait

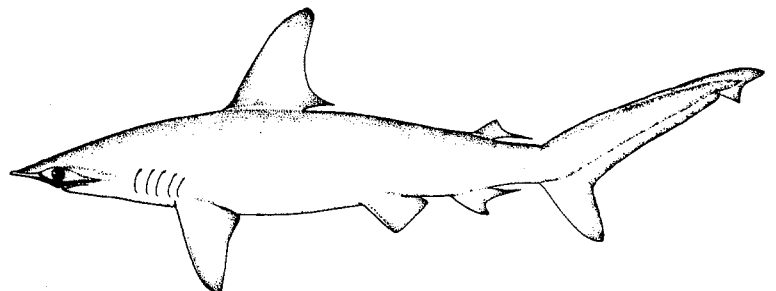
**Habitat and biology** : An offshore and semi-oceanic species, often encountered in inshore waters and estuaries, probably in search of food. Viviparous, number of young per litter up to 30. Feeds on small pelagic fishes, other sharks and rays and also in invertebrates. Adults considered to be dangerous to man. The most common hammerhead in the area

posterior margin of  
eyes at about level  
of front of mouth

indentation



underside of head



Sphyrna mokarran (Rüppell, 1837)

**Synonyms** : Sphyrna tudes (Valenciennes, 1822)

**Loc. names** : Julia-mangar (Sin);  
Buthar, Maish, Katial (medium) (Bal)

**FAO names** : En - Great hammerhead  
Fr - Grand requin marteau  
Sp - Cornuda gigante

**Size** : Max.: 600 cm, but possibly more; common to about 360 cm

**Fishing gear** : Caught with longlines and gill-nets

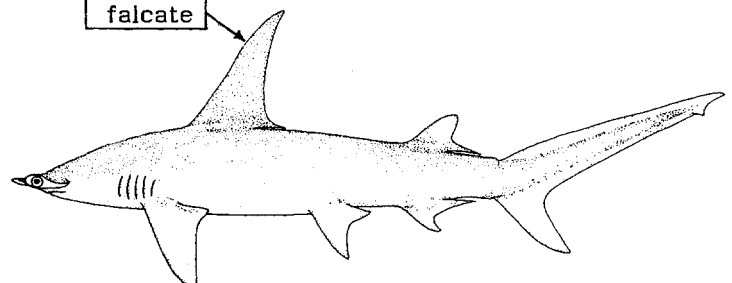
**Habitat and biology** : A coastal, as well as semi-oceanic species. Viviparous, with 18 to 38 young per litter. Feeds on bony fishes, other sharks, rays, squids and lobsters

posterior margin of  
eyes well anterior  
to front of mouth



underside of head

strongly  
falcate



## SHARKS

### STEGOSTOMATIDAE

Stegostoma fasciatum (Hermann, 1783)

**Synonyms** Stegostoma varium (Seba, 1758)  
Stegostoma tygrinus or tigrinus (Bonnaterre, 1788)

**Loc. names** Billi, Pusuni (Sin)  
Pishi (Bal)

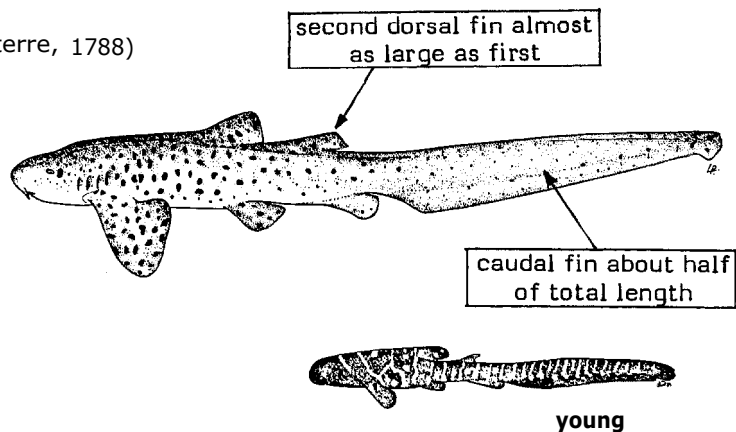
**FAO names** : En - Zebra shark  
Fr - Requin zèbre  
Sp - Tiburón acebrado

**Size** : Max.: to more than 300 cm, but most specimens much smaller

**Fishing gear** : Caught in bottom trawls, gillnets and longlines

**Habitat and biology** : An inshore shark, found near the bottom or on coral reefs. Oviparous, eggs are deposited in oblong cases. Feeds mainly on molluscs but also on small fishes

**Interest to fisheries** : Quite common, but not particularly abundant. It is used for fishmeal, oil and the fins are dried for the oriental sharkfin trade



### TRIAKIDAE

**Loc. names** : Mangra, Kari-mangar (Sin);  
Chao, Zaid (Bal)

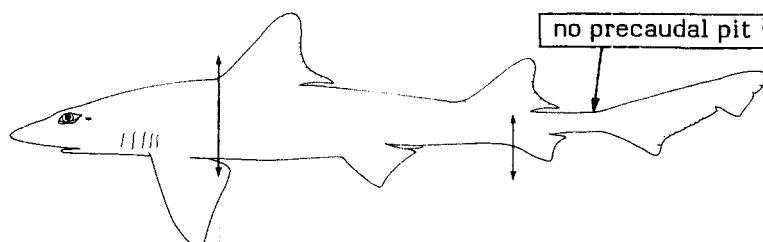
**FAO names** : En - Houndsharks, smoothhounds  
Fr - Requins-hâ, emissoles  
Sp - Cazones, musolas

**Size** : Small sharks, usually smaller than 100 cm

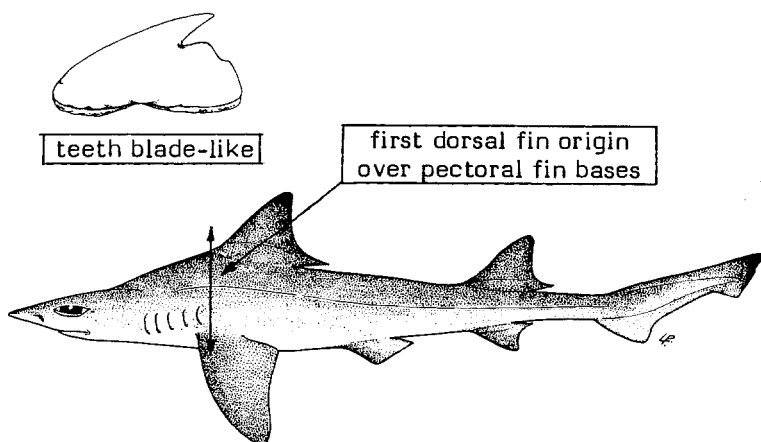
**Fishing gear** : Caught in bottom trawls, with gillnets and on line gear

**Habitat and biology** : Bottom-living sharks, found on the continental shelf, as well as in deeper waters, possibly to 2,200 m depth. Viviparous, feed on small bottom-living invertebrates and small fishes

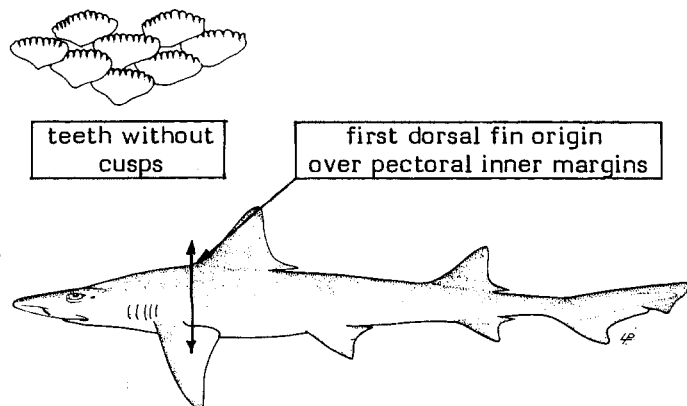
**Interest to fisheries** : Not particularly abundant. If caught, used for fishmeal and oil. The fins are dried for the oriental sharkfin trade



#### Species of Triakidae



Iago omanensis (Norman, 1939)  
Mangra (Sin); Chao (Bal)  
Bigeye houndshark  
size: to 60 cm



Mustelus mosis Hemprich & Heremberg, 1899  
Kari-mangar (Sin); Zaid (Bal)  
Arabian smoothhound  
size: to 106 cm