Reproductive System

Comparative Anatomy BIO308/508
Reproductive System
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**Terminology of the Ducts of the Urogenital System**

<table>
<thead>
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<th>Ducts of the Urogenital System</th>
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<tr>
<td><strong>General term</strong></td>
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<td>Archinephric duct</td>
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<td>Müllerian duct</td>
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<td>Metanephric duct</td>
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**FIGURE 14.21** Terminology of the urogenital system. Associations of ducts change during evolution and development. Sometimes the same duct performs different roles in males and females. The result has been a proliferation of synonyms, which are summarized in this figure. The duct serving the early pronephros is the pronephric duct, but when the mesonephros replaces the pronephric kidney, this duct now serves the new mesonephros and is called the mesonephric duct. With the advent of the metanephros, this duct degenerates in the female but becomes the vas deferens of the testis in the male. Some authorities prefer the term archinephric duct or wolffian duct for this structure. Although the term metanephric duct might parallel the terms pronephric and mesonephric ducts, more often the term ureter is used for the metanephric duct. Kardong (2002)
Genital Ducts in Sharks

Source: Liem et al. (2001)
Genital Ducts in Amphibians

[Diagram of male and female salamanders showing the genitalic ducts, including degenerating pronephros, lateral kidney canal, efferent ductule, testis canal, seminiferous ampullae, testis, opisthophoreos, accessory urinary ducts, cloaca, infundibulum, ostium tubae, oviduct, ovary, opisthophoreos, archinephric duct, ovisac, cloaca, female salamander, male salamander. Source: Liem et al. (2001).]
Genital Ducts in Amniotes